


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> 14-31D-36 BTR				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> CEDAR RIM				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP						<b>7. OPERATOR PHONE</b> 303 312-8164				
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> BHilgers@billbarrettcorp.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 1420H626405			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Bill Barrett Corporation						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 303-312-8172				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 1099 18th Street Suite 2300, ,						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Uintah and Ouray			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>			
<b>LOCATION AT SURFACE</b>	298 FSL 1632 FWL		SESW	31	3.0 S	6.0 W	U			
<b>Top of Uppermost Producing Zone</b>	809 FSL 1977 FWL		SESW	31	3.0 S	6.0 W	U			
<b>At Total Depth</b>	810 FSL 1980 FWL		SESW	31	3.0 S	6.0 W	U			
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 810			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 4633			<b>26. PROPOSED DEPTH</b> MD: 9491 TVD: 9431				
<b>27. ELEVATION - GROUND LEVEL</b> 6481			<b>28. BOND NUMBER</b> LPM8874725			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-180				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
<b>Cond</b>	26	16	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
<b>Surf</b>	12.25	9.625	0 - 2000	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	280	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
<b>Prod</b>	8.75	5.5	0 - 9491	17.0	P-110 LT&C	9.7	Unknown	700	2.31	11.0
							Unknown	1010	1.42	13.5
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Venessa Langmacher				<b>TITLE</b> Senior Permit Analyst				<b>PHONE</b> 303 312-8172		
<b>SIGNATURE</b>				<b>DATE</b> 09/15/2011				<b>EMAIL</b> vlangmacher@billbarrettcorp.com		
<b>API NUMBER ASSIGNED</b> 43013509730000				<b>APPROVAL</b>  Permit Manager						

**RECEIVED: September 27, 2011**



**DRILLING PLAN**

BILL BARRETT CORPORATION

**14-31D-36 BTR Well Pad**

SE SW, 298' FSL and 1632' FWL, Section 31, T3S-R6W, USB&amp;M (surface hole)

SE SW, 810' FSL and 1980' FWL, Section 31, T3S-R6W, USB&amp;M (bottom hole)

Duchesne County, Utah

**1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth – TVD</u></b>
Lower Green River*	4,544'	4,501'
Douglas Creek	5,400'	5,341'
Black Shale	6,251'	6,191'
Castle Peak	6,396'	6,336'
Uteland Butte	6,731'	6,671'
Wasatch*	7,086'	7,026'
TD	9,491'	9,431'

\*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 5,500'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 2,000'	No pressure control required
2,000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
26"	Surface	80'	16"	65#			
12 1/4"	Surface	2,000'	9 5/8"	36#	J or K 55	BT&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New
<b>NOTE: In addition, 8 3/4" hole size may change to 7 7/8" at the point the bit is changed out.</b>							



Bill Barrett Corporation  
Drilling Program  
#14-31D-36 BTR  
Duchesne County, Utah

5. **Cementing Program**

<b>Casing</b>	<b>Cementing</b>
16" Conductor Casing	<i>Grout</i>
9 5/8" Surface Casing	<p><i>Lead</i> with approximately 280 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft<sup>3</sup>/sx) circulated to surface with 75% excess. Top of lead estimated at surface.</p> <p><i>Tail</i> with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft<sup>3</sup>/sx), calculated hole volume with 75% excess. Top of tail estimated at 1,500'.</p>
5 1/2" Production Casing	<p><i>Lead</i> with approximately 700 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft<sup>3</sup>/sx,) . Top of lead estimated at 1,500'.</p> <p><i>Tail</i> with approximately 1010 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft<sup>3</sup>/sx). Top of tail estimated at 5,751'.</p>

6. **Mud Program**

<b><u>Interval</u></b>	<b><u>Weight</u></b>	<b><u>Viscosity</u></b>	<b><u>Fluid Loss (API filtrate)</u></b>	<b><u>Remarks</u></b>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 2,000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,000' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **Testing, Logging and Core Programs**

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.



Bill Barrett Corporation  
Drilling Program  
#14-31D-36 BTR  
Duchesne County, Utah

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4757 psi\* and maximum anticipated surface pressure equals approximately 2682 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

**10. Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

**11. Drilling Schedule**

Location Construction: January 2012  
Spud: January 2012  
Duration: 15 days drilling time  
45 days completion time



**PRESSURE CONTROL EQUIPMENT – Schematic Attached**

**A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer.** The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 5,000 psi

**C. Testing Procedure:**

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be



maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

**D. Choke Manifold Equipment:**

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

**E. Accumulator:**

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.



Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

**F. Miscellaneous Information:**

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.





# Bill Barrett Corporation

## LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

**Well Name:** 14-31D-36 BTR

### Surface Hole Data:

Total Depth:	2,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	822.1	ft <sup>3</sup>
Lead Fill:	1,500'	
Tail Volume:	274.0	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

Lead Yield:	3.16	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Lead:	0'	

### Calculated # of Sacks:

# SK's Lead:	280
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Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	1,500'	

# SK's Tail:	210
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### Production Hole Data:

Total Depth:	9,491'
Top of Cement:	1,500'
Top of Tail:	5,751'
OD of Hole:	8.750"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1610.7	ft <sup>3</sup>
Lead Fill:	4,251'	
Tail Volume:	1417.2	ft <sup>3</sup>
Tail Fill:	3,740'	

### Cement Data:

Lead Yield:	2.31	ft <sup>3</sup> /sk
Tail Yield:	1.42	ft <sup>3</sup> /sk
% Excess:	50%	

### Calculated # of Sacks:

# SK's Lead:	700
# SK's Tail:	1010



<b>14-31D-36 BTR Proposed Cementing Program</b>
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<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (1500' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 1,500'
	Volume: 146.41 bbl
	<b>Proposed Sacks: 280 sks</b>
<b>Tail Cement - (TD - 1500')</b>	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft <sup>3</sup> /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 1,500'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	<b>Proposed Sacks: 210 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (5751' - 1500')</b>	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft <sup>3</sup> /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 1,500'
	Calculated Fill: 4,251'
	Volume: 286.85 bbl
	<b>Proposed Sacks: 700 sks</b>
<b>Tail Cement - (9491' - 5751')</b>	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 5,751'
	Calculated Fill: 3,740'
	Volume: 252.39 bbl
	<b>Proposed Sacks: 1010 sks</b>



R R T3S, R6W, U.S.B.&M.

BILL BARRETT CORPORATION

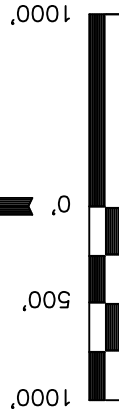
Well location, #14-31D-36 BTR, located as shown in the SE 1/4 SW 1/4 of Section 31, T3S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION LOCATED IN THE NW 1/4 OF SECTION 36, T3S, R6W, U.S.B.&M., TAKEN FROM THE RABBITT GULCH, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5904 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH  
EXPIRATION DATE 04-28-11

REVISED: 04-27-11

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'  
DATE SURVEYED: 11-22-10  
DATE DRAWN: 12-08-10

PARTY D.R. J.T. C.C.  
REFERENCES G.L.O. PLAT

WEATHER COLD  
FILE  
BILL BARRETT CORPORATION

LINE TABLE		
LINE	BEARING	LENGTH
L1	N34°07'03"E	616.67'

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°10'16.93" (40.171369)	LATITUDE = 40°10'11.88" (40.169967)		
LONGITUDE = 110°36'28.19" (110.607831)	LONGITUDE = 110°36'32.64" (110.609067)		
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°10'17.09" (40.171414)	LATITUDE = 40°10'12.04" (40.170011)		
LONGITUDE = 110°36'25.62" (110.607117)	LONGITUDE = 110°36'30.07" (110.608353)		

— = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

△ = SECTION CORNERS RE-ESTABLISHED.

(Not Set on Ground.)

LEGEND:

N00°12'14"W - 5294.19' (Meas.)

S89°50'13"W - 2627.66' (Meas.)

Rebar, 0.3" High,  
Scattered Stones,  
E-W Fence, Old 10th

Rebar, 0.4' High,  
Stones, E-W Fence

S89°29'03"W - 2530.90' (Meas.)

Plastic Cap, 1 1/2"  
High, RLS #4779,  
Fence Corner

Lot 1

Lot 2

Lot 3

Lot 4

Corner Re-Established  
by Bearing Tree

31

#14-31D-36 BTR  
Elev. Ungraded Ground = 6481'

Bottom Hole

Private Cap,  
#4779 on 1/2" Rebar

N89°42'25"W - 2619.71' (Meas.)

T3S  
T4S  
Pvt. Cap 2551.75' (Meas.)  
N89°49'35"W  
1/2" Rebar,  
File of Stones

298'

810'

1632'

1980'



**A**  
**TOPO**



 EXISTING ROAD  
 PROPOSED ACCESS ROAD



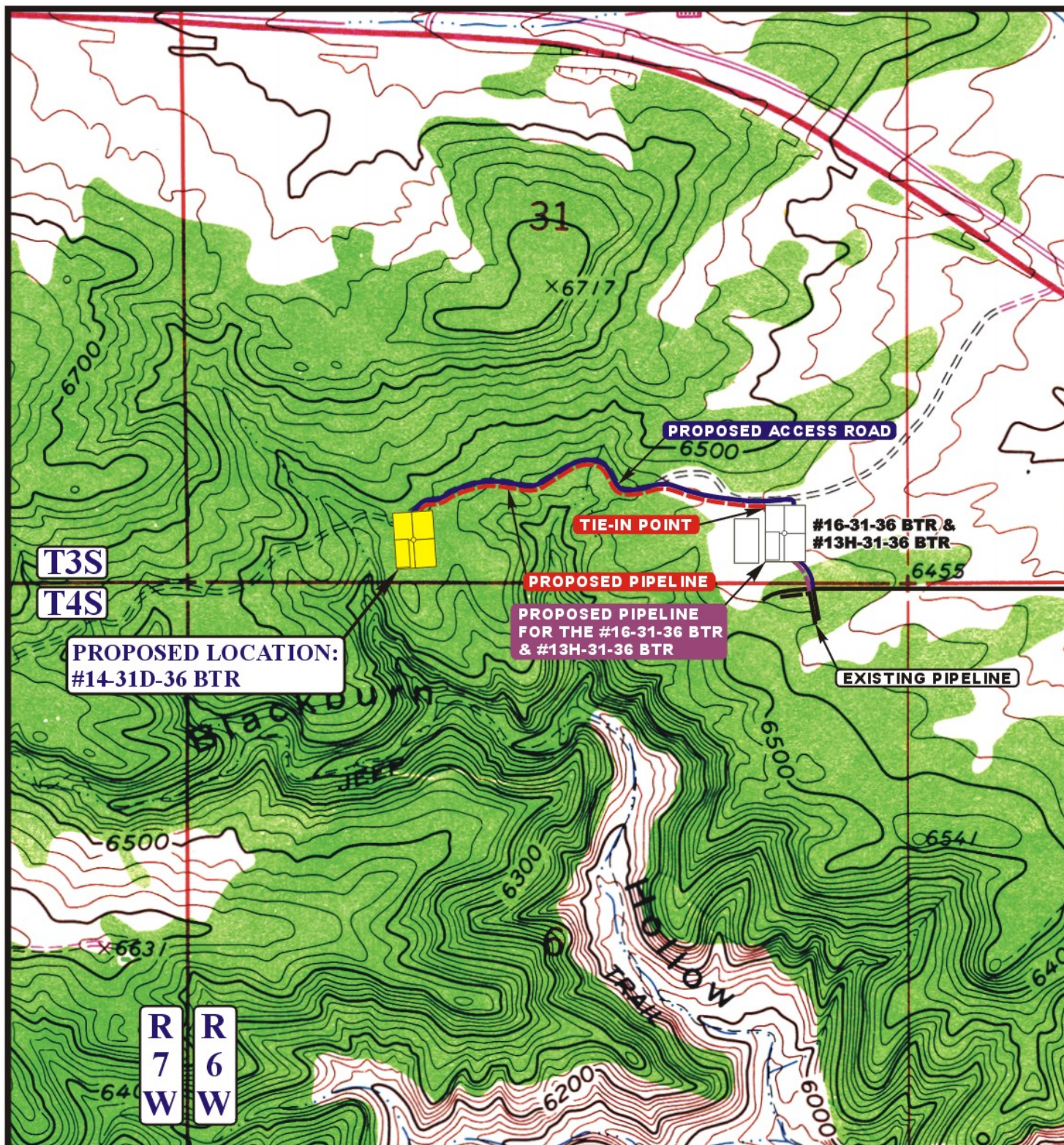
**#14-31D-36 BTR**  
**SECTION 31, T3S, R6W, U.S.B.&M.**  
**298' FSL 1632' FWL**

12 16 10  
MONTH DAY YEAR

REVISÉ: 00-00-00

**B**  
**TOPC**





**APPROXIMATE TOTAL PIPELINE DISTANCE = 2,592' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**BILL BARRETT CORPORATION**

**#14-31D-36 BTR**  
**SECTION 31, T3S, R6W, U.S.B.&M.**  
**298' FSL 1632' FWL**

**TOPOGRAPHIC**  
**MAP**

**12 16 10**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: Z.L. REVISED: 00-00-00





## WELL DETAILS: 14-31D-36 BTR

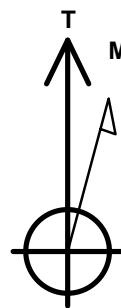
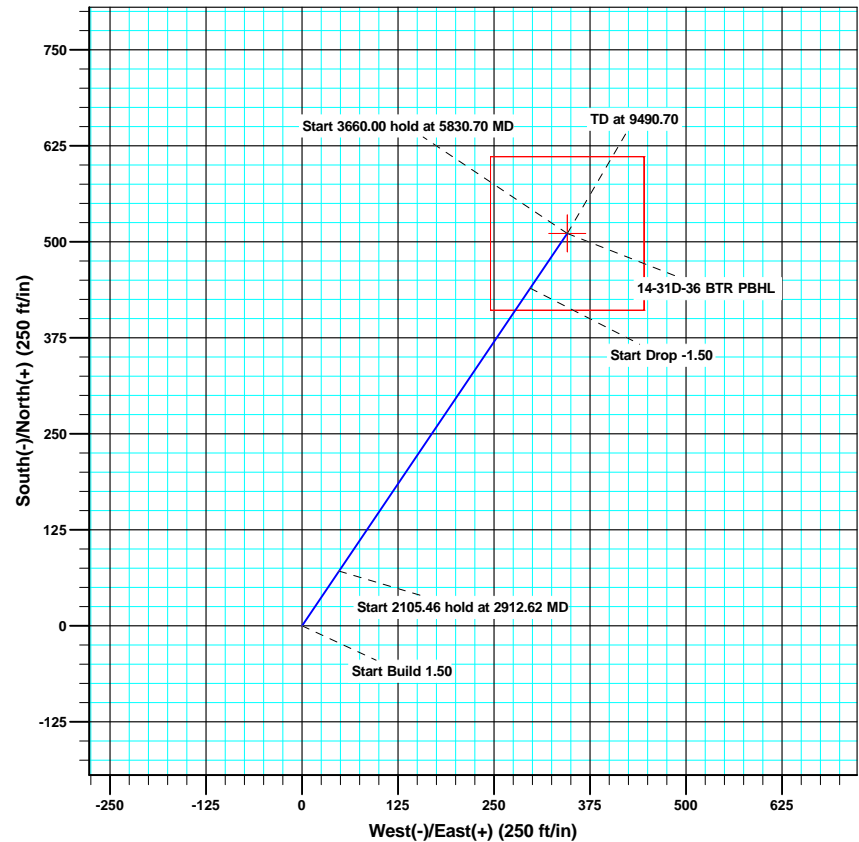
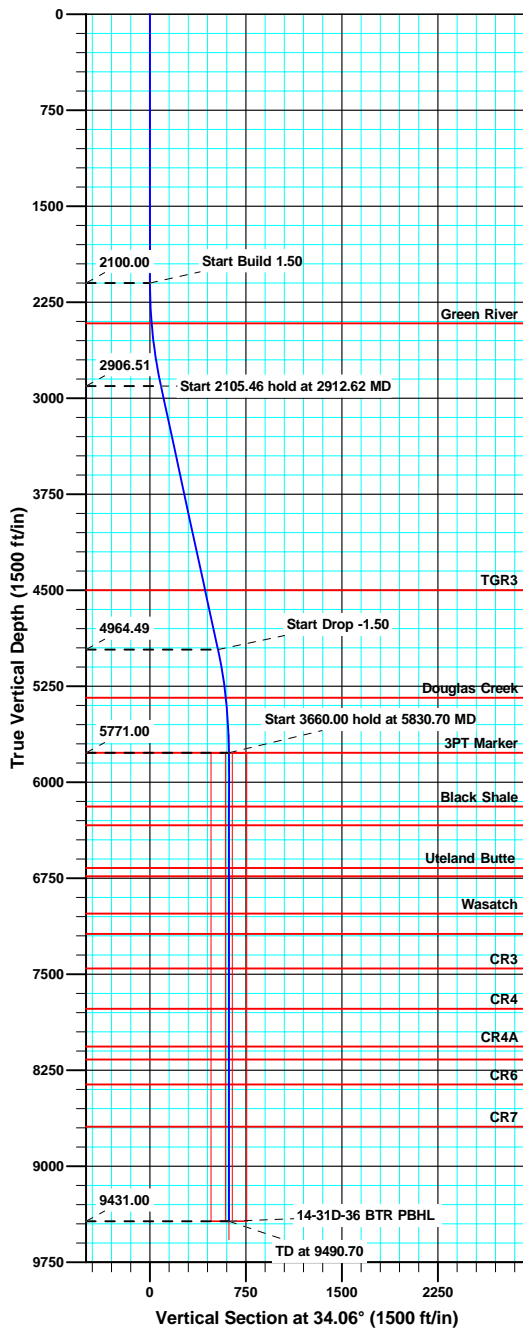
US State Plane 1927 (Exact solution) Utah Central 4302 NAD 1927 (NADCON CONUS)



Bill Barrett Corporation

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	670214.08	2249167.43	40° 10' 12.04 N	110° 36' 30.07 W

Ground Level: 6480.00 Well #1 - 16' KB

Azimuths to True North  
Magnetic North: 11.56°

Magnetic Field  
Strength: 52263.5snT  
Dip Angle: 65.79°  
Date: 5/5/2011  
Model: IGRF2010

## SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	
2912.62	12.19	34.06	2906.51	71.34	48.23	1.50	34.06	86.11	
5018.08	12.19	34.06	4964.49	439.64	297.20	0.00	0.00	530.67	
5830.70	0.00	0.00	5771.00	510.98	345.43	1.50	180.00	616.78	14-31D-36 BTR Target
9490.70	0.00	0.00	9431.00	510.98	345.43	0.00	0.00	616.78	14-31D-36 BTR PBHL



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6496.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6496.00ft
<b>Site:</b>	14-31D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

<b>Project</b>	Duchesne County, UT [NAD27]		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

Site	14-31D-36 BTR				
Site Position:		Northing:	670,214.08 usft	Latitude:	40° 10' 12.04 N
From:	Lat/Long	Easting:	2,249,167.43 usft	Longitude:	110° 36' 30.07 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	0.57 °

Well	Well #1 - 16' KB					
Well Position	+N/-S	0.00 ft	Northing:	670,214.08 usft	Latitude:	40° 10' 12.04 N
	+E/-W	0.00 ft	Easting:	2,249,167.43 usft	Longitude:	110° 36' 30.07 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	6,480.00 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	5/5/2011	11.56	65.79	52,263

<b>Design</b>	plan1 05may11 rbw				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	34.06	

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,912.62	12.19	34.06	2,906.51	71.34	48.23	1.50	1.50	0.00	34.06	
5,018.08	12.19	34.06	4,964.49	439.64	297.20	0.00	0.00	0.00	0.00	
5,830.70	0.00	0.00	5,771.00	510.98	345.43	1.50	-1.50	0.00	180.00	14-31D-36 BTR Target
9,490.70	0.00	0.00	9,431.00	510.98	345.43	0.00	0.00	0.00	0.00	14-31D-36 BTR PBHL



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6496.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6496.00ft
<b>Site:</b>	14-31D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 1.50</b>									
2,200.00	1.50	34.06	2,199.99	1.08	0.73	1.31	1.50	1.50	0.00
2,300.00	3.00	34.06	2,299.91	4.34	2.93	5.23	1.50	1.50	0.00
2,400.00	4.50	34.06	2,399.69	9.76	6.59	11.77	1.50	1.50	0.00
2,416.36	4.75	34.06	2,416.00	10.85	7.33	13.09	1.50	1.50	0.00
<b>Green River</b>									
2,500.00	6.00	34.06	2,499.27	17.34	11.72	20.92	1.50	1.50	0.00
2,600.00	7.50	34.06	2,598.57	27.07	18.30	32.68	1.50	1.50	0.00
2,700.00	9.00	34.06	2,697.54	38.96	26.34	47.03	1.50	1.50	0.00
2,800.00	10.50	34.06	2,796.09	52.99	35.82	63.96	1.50	1.50	0.00
2,900.00	12.00	34.06	2,894.16	69.15	46.75	83.47	1.50	1.50	0.00
2,912.62	12.19	34.06	2,906.51	71.34	48.23	86.11	1.50	1.50	0.00
<b>Start 2105.46 hold at 2912.62 MD</b>									
3,000.00	12.19	34.06	2,991.91	86.63	58.56	104.56	0.00	0.00	0.00
3,100.00	12.19	34.06	3,089.66	104.12	70.39	125.68	0.00	0.00	0.00
3,200.00	12.19	34.06	3,187.41	121.61	82.21	146.79	0.00	0.00	0.00
3,300.00	12.19	34.06	3,285.15	139.10	94.04	167.91	0.00	0.00	0.00
3,400.00	12.19	34.06	3,382.90	156.60	105.86	189.02	0.00	0.00	0.00
3,500.00	12.19	34.06	3,480.64	174.09	117.69	210.14	0.00	0.00	0.00
3,600.00	12.19	34.06	3,578.39	191.58	129.51	231.25	0.00	0.00	0.00
3,700.00	12.19	34.06	3,676.13	209.07	141.34	252.36	0.00	0.00	0.00
3,800.00	12.19	34.06	3,773.88	226.57	153.16	273.48	0.00	0.00	0.00
3,900.00	12.19	34.06	3,871.62	244.06	164.99	294.59	0.00	0.00	0.00
4,000.00	12.19	34.06	3,969.37	261.55	176.81	315.71	0.00	0.00	0.00
4,100.00	12.19	34.06	4,067.11	279.04	188.64	336.82	0.00	0.00	0.00
4,200.00	12.19	34.06	4,164.86	296.54	200.46	357.94	0.00	0.00	0.00
4,300.00	12.19	34.06	4,262.61	314.03	212.29	379.05	0.00	0.00	0.00
4,400.00	12.19	34.06	4,360.35	331.52	224.11	400.16	0.00	0.00	0.00
4,500.00	12.19	34.06	4,458.10	349.01	235.94	421.28	0.00	0.00	0.00
4,543.89	12.19	34.06	4,501.00	356.69	241.13	430.55	0.00	0.00	0.00
<b>TGR3</b>									
4,600.00	12.19	34.06	4,555.84	366.50	247.76	442.39	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6496.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6496.00ft
<b>Site:</b>	14-31D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,700.00	12.19	34.06	4,653.59	384.00	259.59	463.51	0.00	0.00	0.00
4,800.00	12.19	34.06	4,751.33	401.49	271.41	484.62	0.00	0.00	0.00
4,900.00	12.19	34.06	4,849.08	418.98	283.24	505.74	0.00	0.00	0.00
5,000.00	12.19	34.06	4,946.82	436.47	295.06	526.85	0.00	0.00	0.00
5,018.08	12.19	34.06	4,964.49	439.64	297.20	530.67	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
5,100.00	10.96	34.06	5,044.75	453.25	306.40	547.10	1.50	-1.50	0.00
5,200.00	9.46	34.06	5,143.16	467.94	316.33	564.83	1.50	-1.50	0.00
5,300.00	7.96	34.06	5,242.01	480.49	324.81	579.97	1.50	-1.50	0.00
5,399.79	6.46	34.06	5,341.00	490.86	331.83	592.50	1.50	-1.50	0.00
<b>Douglas Creek</b>									
5,400.00	6.46	34.06	5,341.21	490.88	331.84	592.52	1.50	-1.50	0.00
5,500.00	4.96	34.06	5,440.71	499.13	337.41	602.47	1.50	-1.50	0.00
5,600.00	3.46	34.06	5,540.44	505.21	341.53	609.82	1.50	-1.50	0.00
5,700.00	1.96	34.06	5,640.33	509.13	344.17	614.55	1.50	-1.50	0.00
5,800.00	0.46	34.06	5,740.30	510.88	345.36	616.66	1.50	-1.50	0.00
5,830.70	0.00	0.00	5,771.00	510.98	345.43	616.78	1.50	-1.50	0.00
<b>Start 3660.00 hold at 5830.70 MD - 3PT Marker</b>									
5,900.00	0.00	0.00	5,840.30	510.98	345.43	616.78	0.00	0.00	0.00
6,000.00	0.00	0.00	5,940.30	510.98	345.43	616.78	0.00	0.00	0.00
6,100.00	0.00	0.00	6,040.30	510.98	345.43	616.78	0.00	0.00	0.00
6,200.00	0.00	0.00	6,140.30	510.98	345.43	616.78	0.00	0.00	0.00
6,250.70	0.00	0.00	6,191.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>Black Shale</b>									
6,300.00	0.00	0.00	6,240.30	510.98	345.43	616.78	0.00	0.00	0.00
6,395.70	0.00	0.00	6,336.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>Castle Peak</b>									
6,400.00	0.00	0.00	6,340.30	510.98	345.43	616.78	0.00	0.00	0.00
6,500.00	0.00	0.00	6,440.30	510.98	345.43	616.78	0.00	0.00	0.00
6,600.00	0.00	0.00	6,540.30	510.98	345.43	616.78	0.00	0.00	0.00
6,700.00	0.00	0.00	6,640.30	510.98	345.43	616.78	0.00	0.00	0.00
6,730.70	0.00	0.00	6,671.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>Uteland Butte</b>									
6,795.70	0.00	0.00	6,736.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>CR1</b>									
6,800.00	0.00	0.00	6,740.30	510.98	345.43	616.78	0.00	0.00	0.00
6,900.00	0.00	0.00	6,840.30	510.98	345.43	616.78	0.00	0.00	0.00
7,000.00	0.00	0.00	6,940.30	510.98	345.43	616.78	0.00	0.00	0.00
7,085.70	0.00	0.00	7,026.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>Wasatch</b>									
7,100.00	0.00	0.00	7,040.30	510.98	345.43	616.78	0.00	0.00	0.00
7,200.00	0.00	0.00	7,140.30	510.98	345.43	616.78	0.00	0.00	0.00
7,245.70	0.00	0.00	7,186.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>CR2</b>									
7,300.00	0.00	0.00	7,240.30	510.98	345.43	616.78	0.00	0.00	0.00
7,400.00	0.00	0.00	7,340.30	510.98	345.43	616.78	0.00	0.00	0.00
7,500.00	0.00	0.00	7,440.30	510.98	345.43	616.78	0.00	0.00	0.00
7,515.70	0.00	0.00	7,456.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>CR3</b>									
7,600.00	0.00	0.00	7,540.30	510.98	345.43	616.78	0.00	0.00	0.00
7,700.00	0.00	0.00	7,640.30	510.98	345.43	616.78	0.00	0.00	0.00
7,800.00	0.00	0.00	7,740.30	510.98	345.43	616.78	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6496.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6496.00ft
<b>Site:</b>	14-31D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,830.70	0.00	0.00	7,771.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>CR4</b>									
7,900.00	0.00	0.00	7,840.30	510.98	345.43	616.78	0.00	0.00	0.00
8,000.00	0.00	0.00	7,940.30	510.98	345.43	616.78	0.00	0.00	0.00
8,100.00	0.00	0.00	8,040.30	510.98	345.43	616.78	0.00	0.00	0.00
8,125.70	0.00	0.00	8,066.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>CR4A</b>									
8,200.00	0.00	0.00	8,140.30	510.98	345.43	616.78	0.00	0.00	0.00
8,225.70	0.00	0.00	8,166.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>CR5</b>									
8,300.00	0.00	0.00	8,240.30	510.98	345.43	616.78	0.00	0.00	0.00
8,400.00	0.00	0.00	8,340.30	510.98	345.43	616.78	0.00	0.00	0.00
8,420.70	0.00	0.00	8,361.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>CR6</b>									
8,500.00	0.00	0.00	8,440.30	510.98	345.43	616.78	0.00	0.00	0.00
8,600.00	0.00	0.00	8,540.30	510.98	345.43	616.78	0.00	0.00	0.00
8,700.00	0.00	0.00	8,640.30	510.98	345.43	616.78	0.00	0.00	0.00
8,750.70	0.00	0.00	8,691.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>CR7</b>									
8,800.00	0.00	0.00	8,740.30	510.98	345.43	616.78	0.00	0.00	0.00
8,900.00	0.00	0.00	8,840.30	510.98	345.43	616.78	0.00	0.00	0.00
9,000.00	0.00	0.00	8,940.30	510.98	345.43	616.78	0.00	0.00	0.00
9,100.00	0.00	0.00	9,040.30	510.98	345.43	616.78	0.00	0.00	0.00
9,200.00	0.00	0.00	9,140.30	510.98	345.43	616.78	0.00	0.00	0.00
9,300.00	0.00	0.00	9,240.30	510.98	345.43	616.78	0.00	0.00	0.00
9,400.00	0.00	0.00	9,340.30	510.98	345.43	616.78	0.00	0.00	0.00
9,490.70	0.00	0.00	9,431.00	510.98	345.43	616.78	0.00	0.00	0.00
<b>TD at 9490.70</b>									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
14-31D-36 BTR Target	0.00	0.00	5,771.00	510.98	345.43	670,728.48	2,249,507.74	40° 10' 17.09 N	110° 36' 25.62 W
- hit/miss target									
- Shape									
- Point									
14-31D-36 BTR PBHL	0.00	0.00	9,431.00	510.98	345.43	670,728.48	2,249,507.74	40° 10' 17.09 N	110° 36' 25.62 W
- plan hits target center									
- Rectangle (sides W200.00 H200.00 D3,660.00)									



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6496.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6496.00ft
<b>Site:</b>	14-31D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,416.36	2,416.00	Green River		0.00		
4,543.89	4,501.00	TGR3		0.00		
5,399.79	5,341.00	Douglas Creek		0.00		
5,830.70	5,771.00	3PT Marker		0.00		
6,250.70	6,191.00	Black Shale		0.00		
6,395.70	6,336.00	Castle Peak		0.00		
6,730.70	6,671.00	Uteland Butte		0.00		
6,795.70	6,736.00	CR1		0.00		
7,085.70	7,026.00	Wasatch		0.00		
7,245.70	7,186.00	CR2		0.00		
7,515.70	7,456.00	CR3		0.00		
7,830.70	7,771.00	CR4		0.00		
8,125.70	8,066.00	CR4A		0.00		
8,225.70	8,166.00	CR5		0.00		
8,420.70	8,361.00	CR6		0.00		
8,750.70	8,691.00	CR7		0.00		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
2,100.00	2,100.00	0.00	0.00	Start Build 1.50	
2,912.62	2,906.51	71.34	48.23	Start 2105.46 hold at 2912.62 MD	
5,018.08	4,964.49	439.64	297.20	Start Drop -1.50	
5,830.70	5,771.00	510.98	345.43	Start 3660.00 hold at 5830.70 MD	
9,490.70	9,431.00	510.98	345.43	TD at 9490.70	



07515  
WHEN RECORDED MAIL TO:  
Bill Barrett Corporation  
  
1099 18th ST STE 2300  
Denver CO 80202

1099 18th St Ste 2300  
Denver CO 80202  
Fax: 312.000.0000  
Phone: 312.000.0000  
Bill Barrett Corporation  
FURNISHING ESTATE TITLE

## **WARRANTY DEED**

Falcon Commichaux and Janiece Commichaux, GRANTOR(S), of PO Box 415, Cedar Valley UT 84013, hereby CONVEYS AND WARRANTS to: Bill Barrett Corporation, , GRANTEE(S), of 1099 18th ST STE 2300, Denver CO 80202 good and valuable consideration, the following described tract(s) of land in Duchesne County(ies), Utah, to wit:

**SEE EXHIBIT "A" ATTACHED HERETO FOR LEGAL DESCRIPTION.**

Together with all improvements, appurtenances, and easements thereunto belonging.

SUBJECT TO: County and/or City taxes not delinquent; Bonds and/or Special Assessments not delinquent; Covenants, Conditions, Restrictions, Rights of Way, Easements, and Reservations of record or enforceable in law and equity.

EXCEPTING THEREFROM: all oil, gas and/or other minerals in, on or under said land.

SUBJECT TO AND TOGETHER WITH a right of way for ingress and egress over and along an existing dirt roadway as depicted on the map of survey prepared by Uintah Engineering & Land Surveying dated August 5, 2011 and recorded on August 5, 2011 in Duchesne County, Utah. Said right of way to provide access along existing roadway across parcel "B" to parcel "A" as shown on said survey.

WITNESS, the hand of said grantors, this 5 day of August, 2011.

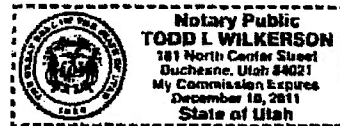
Falcon Commichaux  
Falcon Commichaux

Janiece Commichaux  
Janiece Commichaux

STATE OF UTAH )  
 ) ss.  
COUNTY OF Duchesne )

On the 5 day of August, 2011, personally appeared before me Falcon Commichaux and Janiece Commichaux, the signer(s) of the within instrument, who duly acknowledged to me that he/she/they executed the same.

NOTARY PUBLIC:



Robert W. Turner  
Agent For Bill Barrett  
Corporation



**EXHIBIT "A"**

FILE NO: 07515

TOWNSHIP 3 SOUTH, RANGE 6 WEST, UTAH SPECIAL BASE AND MERIDIAN.

SECTION 31: Beginning at the Southwest corner of the East half of the West half of said Section 31; thence North 00°22'57" West 500.38, along the West line of the said East half of the West half; thence North 86°00'52" East 424.91; thence along the centerline of the existing Duchesne County "D" road for the following 6 bearing and distance calls: (L1) North 35°55'54" East 63.03 feet; thence (L2) North 62°49'03" East 32.95 feet; thence (L3) North 88°39'42" East 82.08 feet; thence (L4) North 67°46'37" East 43.89 feet; thence (L5) North 44°43'12" East 41.95 feet; thence (L6) North 50°16'25" East 16.55 feet, to a point on the East line of the West half of the East half of the West half of said Section 31; thence South 00°20'13" East 656.89 feet, along said East line to a point on the South section line of said Section 31; thence North 89°49'35" West 655.64 feet, along the said South line, to the point of beginning.



**STATE OF UTAH  
COUNTY OF DUCHESNE**

**SURFACE LAND USE AGREEMENT**

**KNOW ALL MEN BY THESE PRESENTS, THAT:**

**WHEREAS**, Harold Chatwin and Jean Chatwin, husband and wife , whose mailing address 1246 North 50 East, Orem, UT 84057-2722 (hereinafter referred to as GRANTOR), whether one or more), is the owner of the surface of the following described property located in Duchesne County, Utah , to-wit:

**TOWNSHIP 3 SOUTH, RANGE 6 WEST, USM**

Section 31: E1/2SW1/4SE1/4 Less: S1/2SE1/4SW1/4SE1/4

**See Exhibit "A"**

**WHEREAS**, Bill Barrett Corporation., whose address is 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202 (hereinafter referred to as GRANTEE) desires to construct a pipeline or pipelines and appurtenances thereto for the transportation of natural gas, water, saltwater and other substances on a portion of said property.

**WHEREAS**, Grantee has agreed to reimburse Grantor for actual damages and injuries to all crops, timber, fences and other improvements located on the surface which results from grantee's operations hereunder, provided that Grantee shall not be held liable or responsible for acts of providence or occurrences beyond Grantee's control, such payment to be made upon commencement of operations to construct the road and pipeline or pipelines; so,



The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

**IN WITNESS WHEREOF**, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 17th day January, 2011.

**GRANTOR:**

By: Harold Chatwin  
Harold Chatwin

Date: Jan 21 - 2011

By: Jean Chatwin  
Jean Chatwin

Date: 1/21/2011

**GRANTEE:**

**BILL BARRETT CORPORATION**

By: Clint W. Turner  
Clint W. Turner, as Agent for Bill Barrett Corporation



ACKNOWLEDGMENT

STATE OF UTAH

COUNTY OF Utah

On this 21 day of January, 2011, before me personally appeared Harold Chatwin and Jean Chatwin, husband and wife known to me to be the persons who are described in and who executed the within instrument and acknowledged to me that they executed the same.

WITNESS my hand and official seal.



Michael W. Crossley Jr.  
Notary Public  
Residing at: N. Orem UT

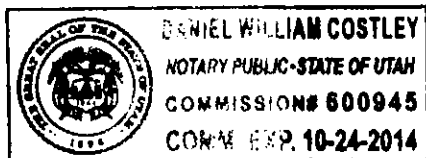
ACKNOWLEDGMENT

STATE OF UTAH

COUNTY OF SALT LAKE

On this 16<sup>th</sup> day of August, 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent for Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

My Commission Expires: 10-24-2014



Daniel William Costley  
Notary Public  
Residing at:



**STATE OF UTAH  
COUNTY OF DUCHESNE**

**SURFACE LAND USE AGREEMENT**

**KNOW ALL MEN BY THESE PRESENTS, THAT:**

**WHEREAS**, Hilario Figueroa and Maria C. Figueroa, husband and wife , whose mailing address 3751 West 4400 South, West Valley City, UT 84120-5553 (hereinafter referred to as GRANTOR), whether one or more), is the owner of the surface of the following described property located in Duchesne County, Utah , to-wit:

**TOWNSHIP 3 SOUTH, RANGE 6 WEST, USM**  
Section 31: W1/2SE1/4SE1/4

**See Exhibit "A"**

**WHEREAS**, Bill Barrett Corporation., whose address is 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202 (hereinafter referred to as GRANTEE) desires to construct a pipeline or pipelines and appurtenances thereto for the transportation of natural gas, water, saltwater and other substances on a portion of said property.

**WHEREAS**, Grantee has agreed to reimburse Grantor for actual damages and injuries to all crops, timber, fences and other improvements located on the surface which results from grantee's operations hereunder, provided that Grantee shall not be held liable or responsible for acts of providence or occurrences beyond Grantee's control, such payment to be made upon commencement of operations to construct the road and pipeline or pipelines; so,



The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 17th day January, 2011.

**GRANTOR:**

By: Hilario Figueroa  
Hilario Figueroa

Date: 01-24-11

By: ~~Maria C. Figueroa~~  
Maria C. Figueroa

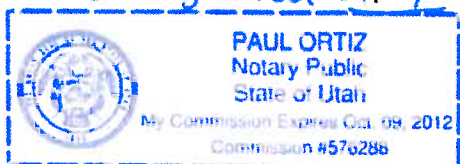
Date: 01/24/11

**GRANTEE:**

**BILL BARRETT CORPORATION**

By: Clint W. Turner  
Clint W. Turner, as Agent for Bill Barrett Corporation

State of Utah  
County of Salt Lake  
Subscribed and sworn before me  
on January 24, 2011 Notarized  
signature of Hilario Figueroa and  
Maria C. Figueroa only



Paul Ortiz  
Paul Ortiz, Notary Public



**ACKNOWLEDGMENT**

STATE OF UTAH

COUNTY OF SALT LAKE

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally appeared Hilario Figueroa and Maria C. Figueroa, husband and wife known to me to be the persons who are described in and who executed the within instrument and acknowledged to me that they executed the same.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public  
Residing at:

My Commission Expires: \_\_\_\_\_

**ACKNOWLEDGMENT**

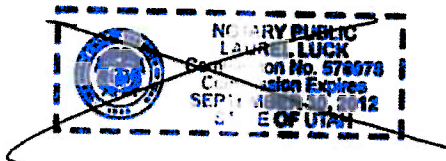
STATE OF UTAH

COUNTY OF SALT LAKE

On this 5 day of August, 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent for Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

My Commission Expires: 9/30/12

Laurel Luck  
Notary Public  
Residing at: Salt Lake, Utah





**STATE OF UTAH  
COUNTY OF DUCHESNE**

**SURFACE LAND USE AGREEMENT**

**KNOW ALL MEN BY THESE PRESENTS, THAT:**

**WHEREAS**, Ford Family Fund , whose mailing address 2870 East 6600 South, Ogden, UT 84403-5444 (hereinafter referred to as GRANTOR), whether one or more), is the owner of the surface of the following described property located in Duchesne County, Utah , to-wit:

**TOWNSHIP 3 SOUTH, RANGE 6 WEST, USM**  
Section 31: Lots 262 and 263, Cedar Mountain Subdivision, Phase 6

**See Exhibit "A"**

**WHEREAS**, Bill Barrett Corporation., whose address is 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202 (hereinafter referred to as GRANTEE) desires to construct a pipeline or pipelines and appurtenances thereto for the transportation of natural gas, water, saltwater and other substances on a portion of said property.

**WHEREAS**, Grantee has agreed to reimburse Grantor for actual damages and injuries to all crops, timber, fences and other improvements located on the surface which results from grantee's operations hereunder, provided that Grantee shall not be held liable or responsible for acts of providence or occurrences beyond Grantee's control, such payment to be made upon commencement of operations to construct the road and pipeline or pipelines; so,



The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 17th day January, 2011.

GRANTOR:

FORD FAMILY FUND LLC

By: M. Ford

Its: Manager

Date: 3/3/11

By: \_\_\_\_\_

Date: \_\_\_\_\_

GRANTEE:

BILL BARRETT CORPORATION

By: Clint W. Turner

Clint W. Turner, as Agent for Bill Barrett Corporation



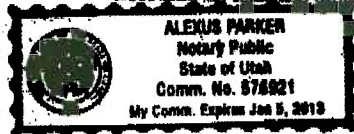
## ACKNOWLEDGMENT

STATE OF UTAH

COUNTY OF

On this 3<sup>rd</sup> day of March, 2011, before me personally appeared M. Lindsey Ford  
as the of Ford Family Fund known to me to be the  
person who is described in and who executed the within instrument and acknowledged to me that he/she  
executed the same.

WITNESS my hand and official seal.



Alexis Parker  
Notary Public  
Residing at:

My Commission Expires: \_\_\_\_\_

## ACKNOWLEDGMENT

STATE OF UTAH

COUNTY OF SALT LAKE

On this 17 day of March, 2011, personally appeared before me Clint W. Turner, who,  
being by me duly sworn, did say that he is the Agent for Bill Barrett Corporation and that said instrument  
was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint  
W. Turner acknowledged to me that said corporation executed the same.

My Commission Expires: 10-24-2014

Daniel William Costley  
Notary Public  
Residing at:



**STATE OF UTAH  
COUNTY OF DUCHESNE**

**SURFACE LAND USE AGREEMENT**

**KNOW ALL MEN BY THESE PRESENTS, THAT:**

**WHEREAS**, Todd L. Hull and Rebekah Hull, husband and wife, , whose mailing address is 662 North 100 East, Farmington, UT 84025 (hereinafter referred to as GRANTOR), whether one or more), is the owner of the surface of the following described property located in Duchesne County, Utah , to-wit:

**TOWNSHIP 3 SOUTH, RANGE 6 WEST, USM**  
Section 31: E1/2SE1/4SW1/4

**See Exhibit "A"**

**WHEREAS**, Bill Barrett Corporation., whose address is 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202 (hereinafter referred to as GRANTEE) desires to construct a pipeline or pipelines and appurtenances thereto for the transportation of natural gas, water, saltwater and other substances on a portion of said property.

**WHEREAS**, Grantee has agreed to reimburse Grantor for actual damages and injuries to all crops, timber, fences and other improvements located on the surface which results from grantee's operations hereunder, provided that Grantee shall not be held liable or responsible for acts of providence or occurrences beyond Grantee's control, such payment to be made upon commencement of operations to construct the road and pipeline or pipelines; so,



The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

**IN WITNESS WHEREOF**, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 17th day January, 2011.

**GRANTOR:**

By: \_\_\_\_\_

Todd J. Hull

Date: \_\_\_\_\_

2-2-2011

By: \_\_\_\_\_

Rebekah Hull

Date: \_\_\_\_\_

2-2-11

**GRANTEE:**

**BILL BARRETT CORPORATION**

By: \_\_\_\_\_

Clint W. Turner, as Agent for Bill Barrett Corporation



**ACKNOWLEDGMENT**

STATE OF UTAH

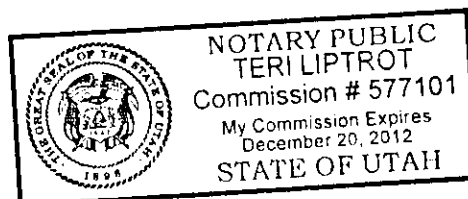
COUNTY OF

On this 2nd day of Feb., 2011, before me personally appeared Todd L. Hull and Rebekah Hull, husband and wife known to me to be the persons who are described in and who executed the within instrument and acknowledged to me that they executed the same.

WITNESS my hand and official seal.

*[Signature]*  
Notary Public  
Residing at: Layton, UT.

My Commission Expires: 12-20-2012



**ACKNOWLEDGMENT**

STATE OF UTAH

COUNTY OF SALT LAKE

On this 2nd day of Feb., 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent for Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

My Commission Expires: 12-20-2012

*[Signature]*  
Notary Public  
Residing at: Layton, UT.

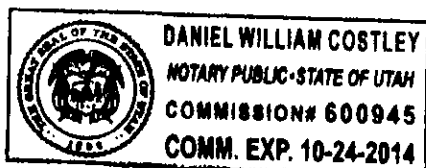
**ACKNOWLEDGEMENT**

STATE OF UTAH )

COUNTY OF SALT LAKE )

On this 17th day of February, 2011, before me, the undersigned Notary Public in and for said county and state, personally appeared Clint W. Turner, known to me to be the person who executed the foregoing instrument, and who being duly sworn by me did say that he is the President of Turner Petroleum Land Services, Inc., and that instrument was signed in behalf of the corporation by authority of its Board of Directors, and said Clint W. Turner acknowledged said instrument to be the free act and deed of said corporation.

My Commission Expires: 10-24-2014



*[Signature]*  
Notary Public



**SURFACE USE PLAN**

BILL BARRETT CORPORATION

**14-31D-36 BTR Well Pad**

SE SW, 298' FSL and 1632' FWL, Section 31, T3S-R6W, USB&M (surface hole)

SE SW, 810' FSL and 1980' FWL, Section 31, T3S-R6W, USB&M (bottom hole)

Duchesne County, Utah

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The onsite inspection for this pad occurred on September 7, 2011. Site specific notes, conditions or changes as a result of that onsite are indicated below. Plat changes requested at the onsite are reflected within this APD.

- a. 16 mil minimum liner thickness required;
- b. Production equipment to be located near the pad entrance to maximize interim reclamation;
- c. Utilize wood and slash for reclamation;
- d. One 18-inch culvert at the pad entrance will be installed.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. **Existing Roads:**

- a. The proposed well site is located approximately 11.7 miles west of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The Utah Department of Transportation maintained Highway 40 would be utilized for 10.3 miles to the existing Bill Barrett Corporation maintained 16-31-36 BTR and 13H-31-36 BTR pad that would be utilized for 0.9 miles and provides access to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permits are required.



Bill Barrett Corporation  
Surface Use Plan  
#14-31D-36 BTR  
Duchesne County, UT

- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 2,689 feet of new access road trending west is planned from the existing 16-31-36 BTR and 13H-31-36 BTR pad across entirely private surface (see Topographic Map B).
- b. The planned access road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed.



Bill Barrett Corporation  
Surface Use Plan  
#14-31D-36 BTR  
Duchesne County, UT

- i. One 18-inch culvert at the pad entrance will be installed. No low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
  - j. No gates or cattle guards are anticipated at this time.
  - k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
  - l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
  - m. The operator would be responsible for all maintenance needs of the new access road.
- 3. Location of Existing Wells (see One-Mile Radius Map):
  - a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:

i. water wells	none
ii. injection wells	none
iii. disposal wells	none
iv. drilling wells	none
v. temp shut-in wells	none
vi. producing wells	three
vii. abandoned wells	one
- 4. Location of Production Facilities
  - a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or gas lift unit with a natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
  - a. Most wells would be fitted with a pump jack or Roto-flex unit or gas lift to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks or Roto-flex units would be small (75 horsepower or less), natural gas-fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 15 ft pad and the prime mover would be a natural gas-fired



Bill Barrett Corporation  
Surface Use Plan  
#14-31D-36 BTR  
Duchesne County, UT

internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by a generator.

- b. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.
- c. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- e. Approximately 2,592 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending southwest to the existing 16-31-36 BTR and 13H-31-36 BTR pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC and El Paso wells. The pipeline crosses entirely private surface.
- f. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- g. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- h. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- i. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation.



Bill Barrett Corporation  
 Surface Use Plan  
 #14-31D-36 BTR  
 Duchesne County, UT

Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

- j. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- k. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

- a. Water for the drilling and completion would be trucked from any of the following locations:

<b>Water Right No. and Application or Change No.</b>	<b>Applicant</b>	<b>Allocation</b>	<b>Date</b>	<b>Point of Diversion</b>	<b>Source</b>
43-180	Duchesne City Water Service District	5 cfs	8/13/2004	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	5.49 cfr and 3967 acre feet	3/21/1986	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	2 cfs	1994	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	1.58 cfs	1994	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	7 cfs	1946	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.



Bill Barrett Corporation  
 Surface Use Plan  
 #14-31D-36 BTR  
 Duchesne County, UT

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from the lease or EDA area.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

<b>Disposal Facilities</b>
1. RNI Industries, Inc. – Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
3. RN Industries, Inc. – Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W



Bill Barrett Corporation  
 Surface Use Plan  
 #14-31D-36 BTR  
 Duchesne County, UT

<b>Disposal Facilities</b>
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley

- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO<sub>2</sub> gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels,



Bill Barrett Corporation  
Surface Use Plan  
#14-31D-36 BTR  
Duchesne County, UT

separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. A surface powerline corridor is not proposed at this time but may be applied for in the future.

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 400 feet x 285 feet with an inboard reserve pit size of 200 feet x 100 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings



Bill Barrett Corporation  
Surface Use Plan  
#14-31D-36 BTR  
Duchesne County, UT

would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.

- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency or the fee landowners.
- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.



Bill Barrett Corporation  
Surface Use Plan  
#14-31D-36 BTR  
Duchesne County, UT

- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Ute Tribe prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface ownership –
  - Pad area – Bill Barrett Corporation (formerly Falcon & Janiece Commichaux)
  - Access, pipeline and powerline corridors:
    - Bill Barrett Corporation (formerly Falcon & Janiece Commichaux)
    - Todd L Hull
    - Ford Family Fund
    - Harold Chatwin
    - Hilario Figueroa
- b. Mineral ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as report 10-277 dated June 16, 2011.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
  - No dogs or firearms within the Project Area.
  - No littering within the Project Area.
  - Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
  - Campfires or uncontained fires of any kind would be prohibited.
  - Portable generators used in the Project Area would have spark arrestors.



Bill Barrett Corporation  
Surface Use Plan  
#14-31D-36 BTR  
Duchesne County, UT

d. Disturbance estimates:

**Approximate Acreage Disturbances**

Well Pad		3.980	acres
Access	2,689 feet	1.853	acres
Pipeline	2,592 feet	1.786	acres
<b>Total</b>		<b>7.619</b>	<b>acres</b>



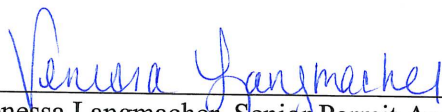
Bill Barrett Corporation  
Surface Use Plan  
#14-31D-36 BTR  
Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

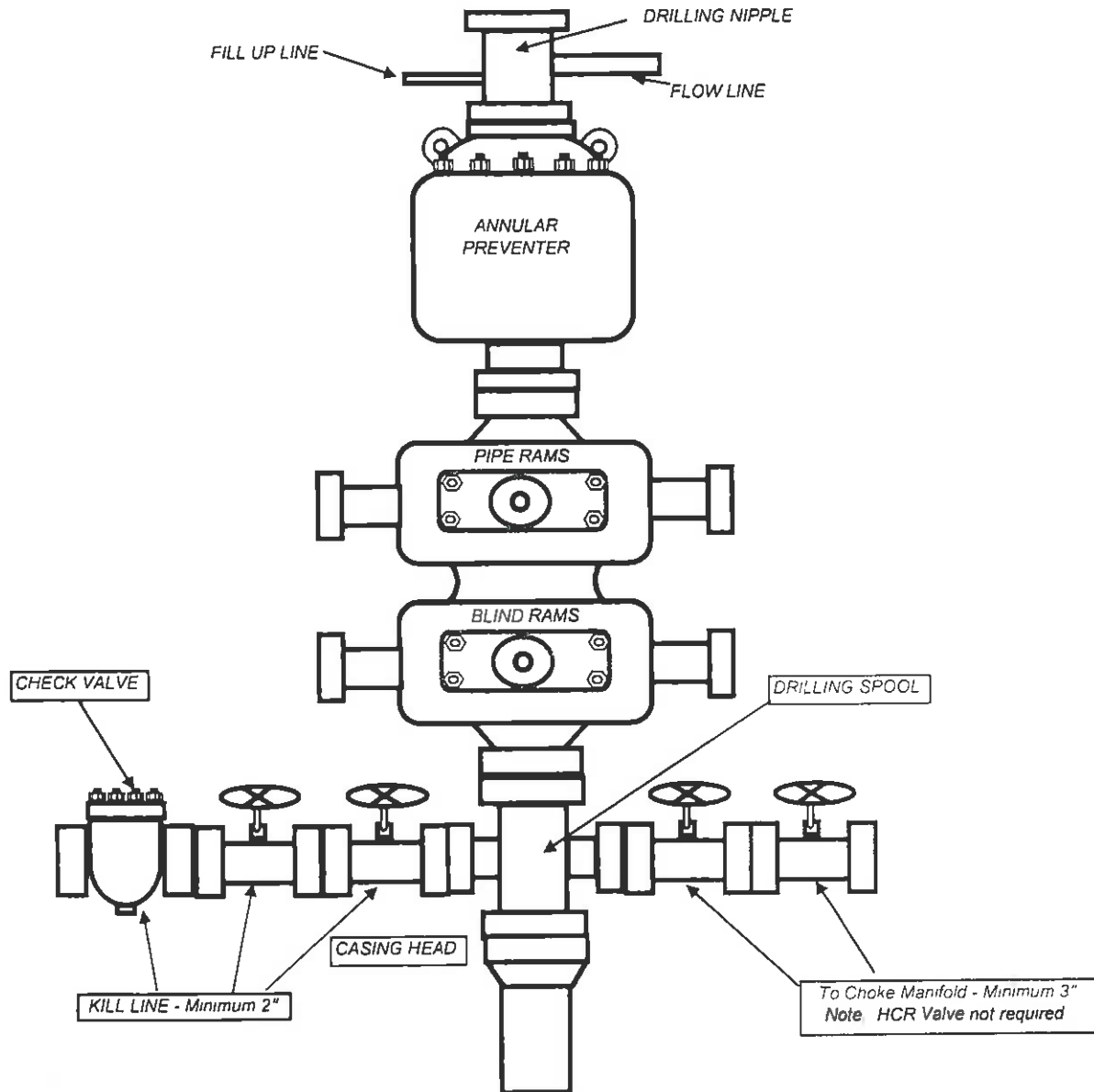
Executed this	<u>15<sup>th</sup></u> day of <u>September</u> 2011
Name:	Venessa Langmacher
Position Title:	Senior Permit Analyst
Address:	1099 18 <sup>th</sup> Street, Suite 2300, Denver, CO 80202
Telephone:	303-312-8172
E-mail:	vlangmacher@billbarrettcorp.com
Field Representative	Kary Eldredge / Bill Barrett Corporation
Address:	1820 W. Highway 40, Roosevelt, UT 84066
Telephone:	435-725-3515 (office); 435-724-6789 (mobile)
E-mail:	keldredge@billbarrettcorp.com

  
\_\_\_\_\_  
Venessa Langmacher, Senior Permit Analyst



## BILL BARRETT CORPORATION

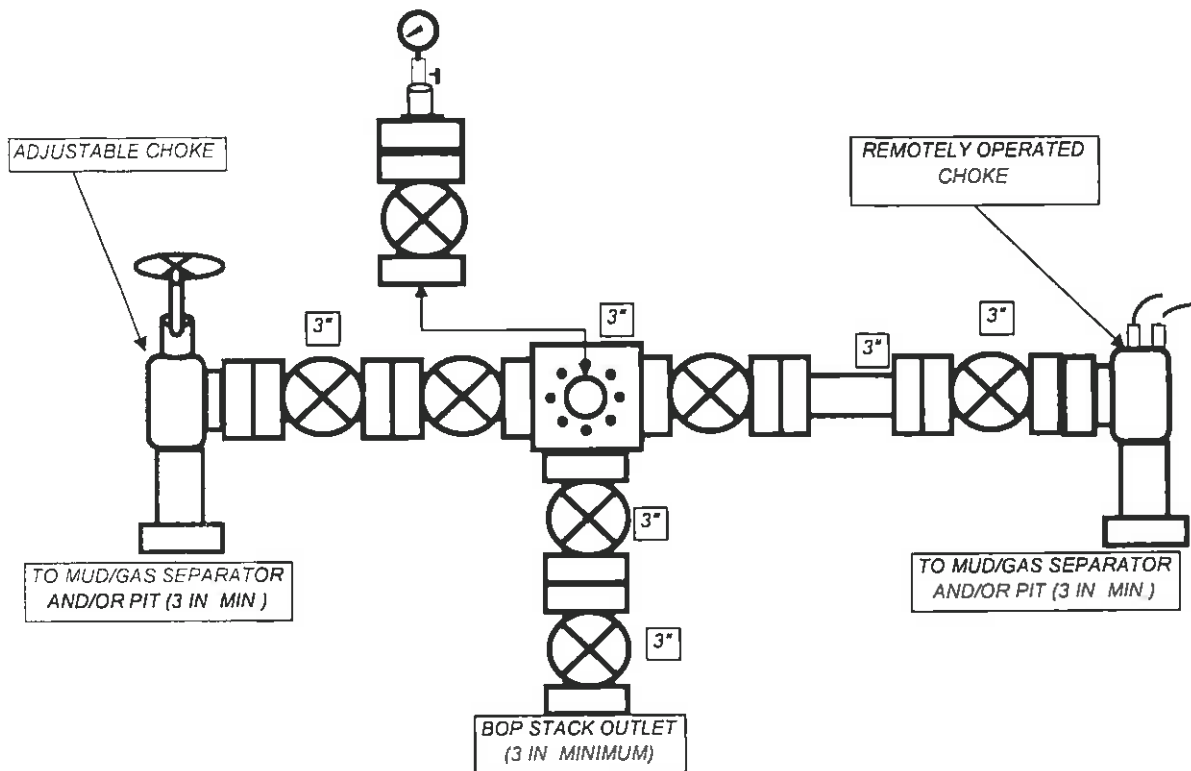
### TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER





## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. CHOKE MANIFOLD







**Bill Barrett Corporation**

September 15, 2011

Ms. Diana Mason – Petroleum Technician  
State of Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
**Blacktail Ridge Area #14-31D-36 BTR Well**  
Surface: 298' FSL & 1,632' FWL, SESW, 31-T3S-R6W, USM  
Bottom Hole: 810' FSL & 1,980' FWL, SESW, 31-T3S-R6W, USM  
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,



David Watts  
Landman

1099 18<sup>TH</sup> STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420



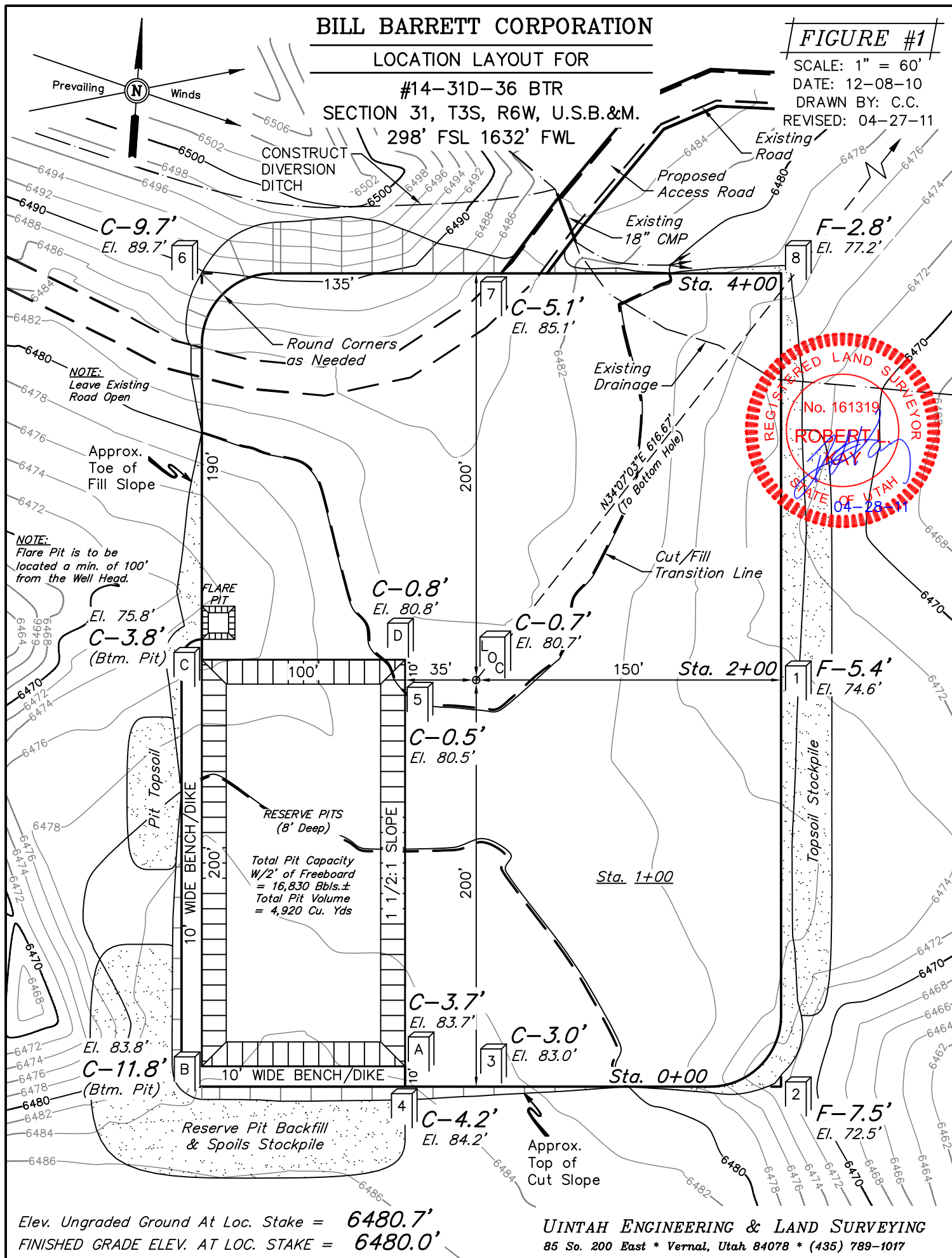
## BILL BARRETT CORPORATION

## LOCATION LAYOUT FOR

#14-31D-36 BTR  
SECTION 31, T3S, R6W, U.S.B.&M.  
298' FSL 1632' FWL

FIGURE #1

SCALE: 1" = 60'  
DATE: 12-08-10  
DRAWN BY: C.C.  
REVISED: 04-27-11



RECEIVED: September 15, 2011



**BILL BARRETT CORPORATION****TYPICAL CROSS SECTIONS FOR**

#14-31D-36 BTR

SECTION 31, T3S, R6W, U.S.B.&amp;M.

298' FSL 1632' FWL

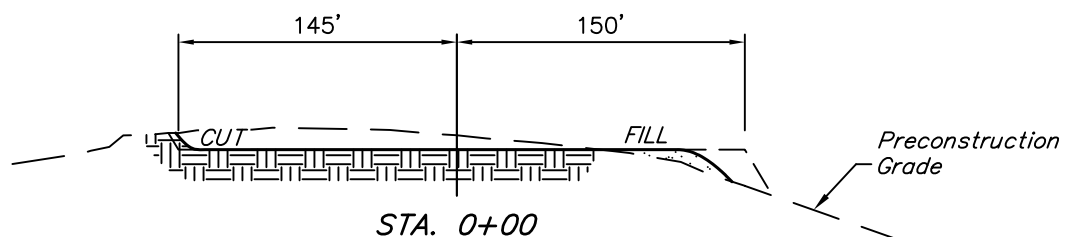
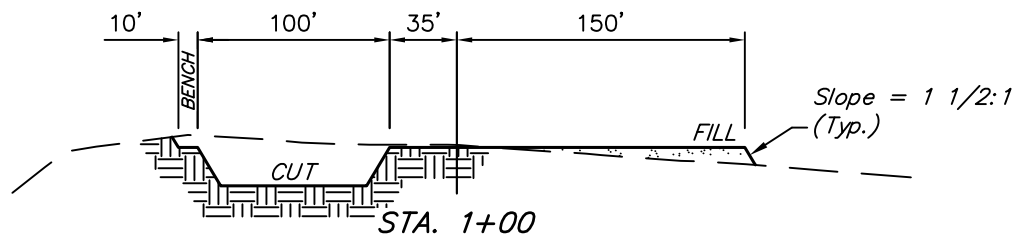
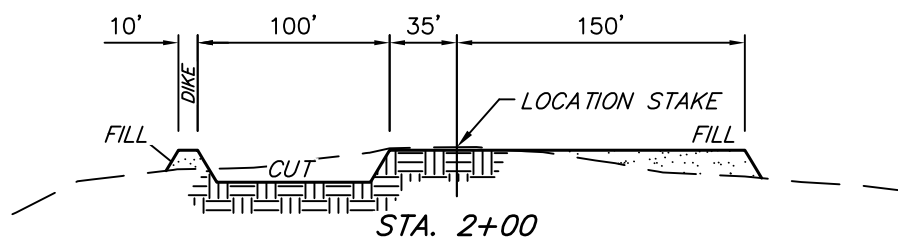
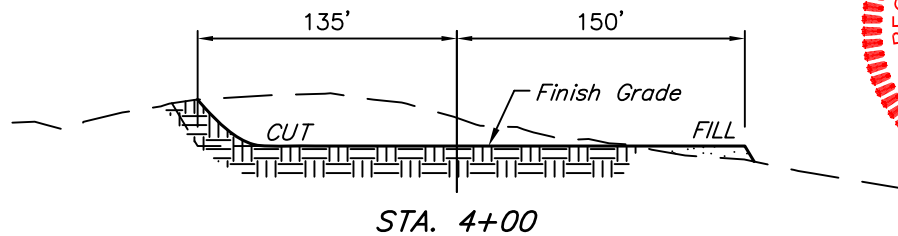
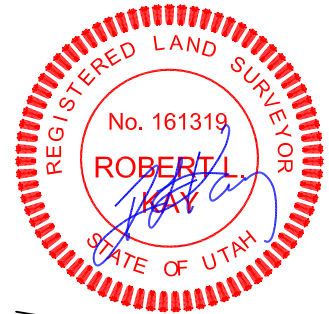
**FIGURE #2**

X-Section  
Scale  
1" = 100'

DATE: 12-08-10

DRAWN BY: C.C.

REVISED: 03-10-11

**NOTE:**

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping = 2,400 Cu. Yds.  
Remaining Location = 9,450 Cu. Yds.  
**TOTAL CUT = 11,850 CU.YDS.**  
**FILL = 6,700 CU.YDS.**

EXCESS MATERIAL = 5,150 Cu. Yds.  
Topsoil & Pit Backfill = 4,860 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 290 Cu. Yds.  
(After Interim Rehabilitation)

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**RECEIVED: September 15, 2011**



**BILL BARRETT CORPORATION****TYPICAL RIG LAYOUT FOR**

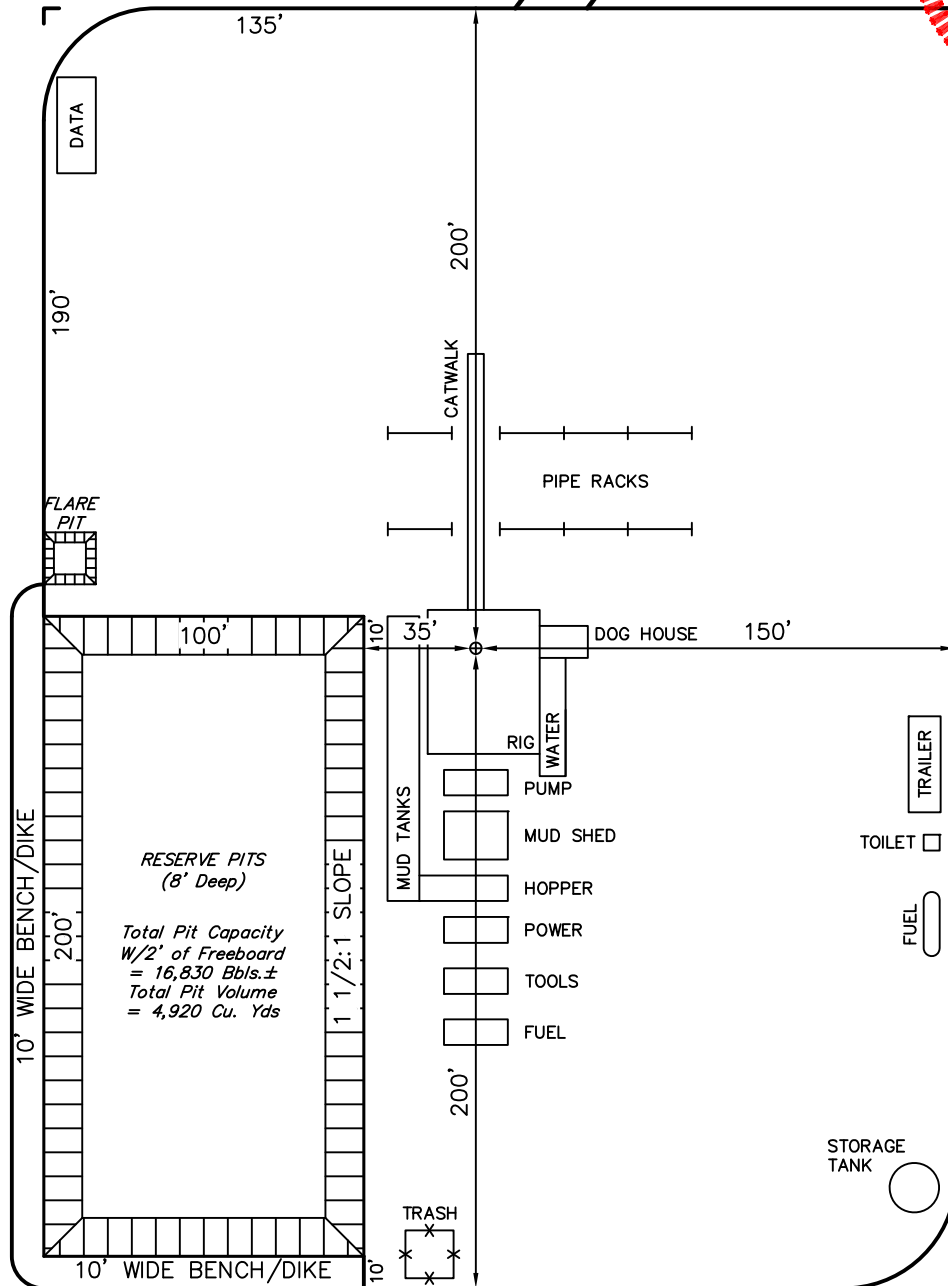
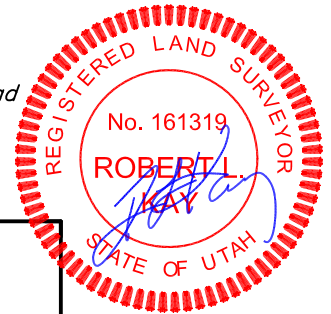
#14-31D-36 BTR  
SECTION 31, T3S, R6W, U.S.B.&M.  
298' FSL 1632' FWL

**FIGURE #3**

SCALE: 1" = 60'  
DATE: 12-08-10  
DRAWN BY: C.C.

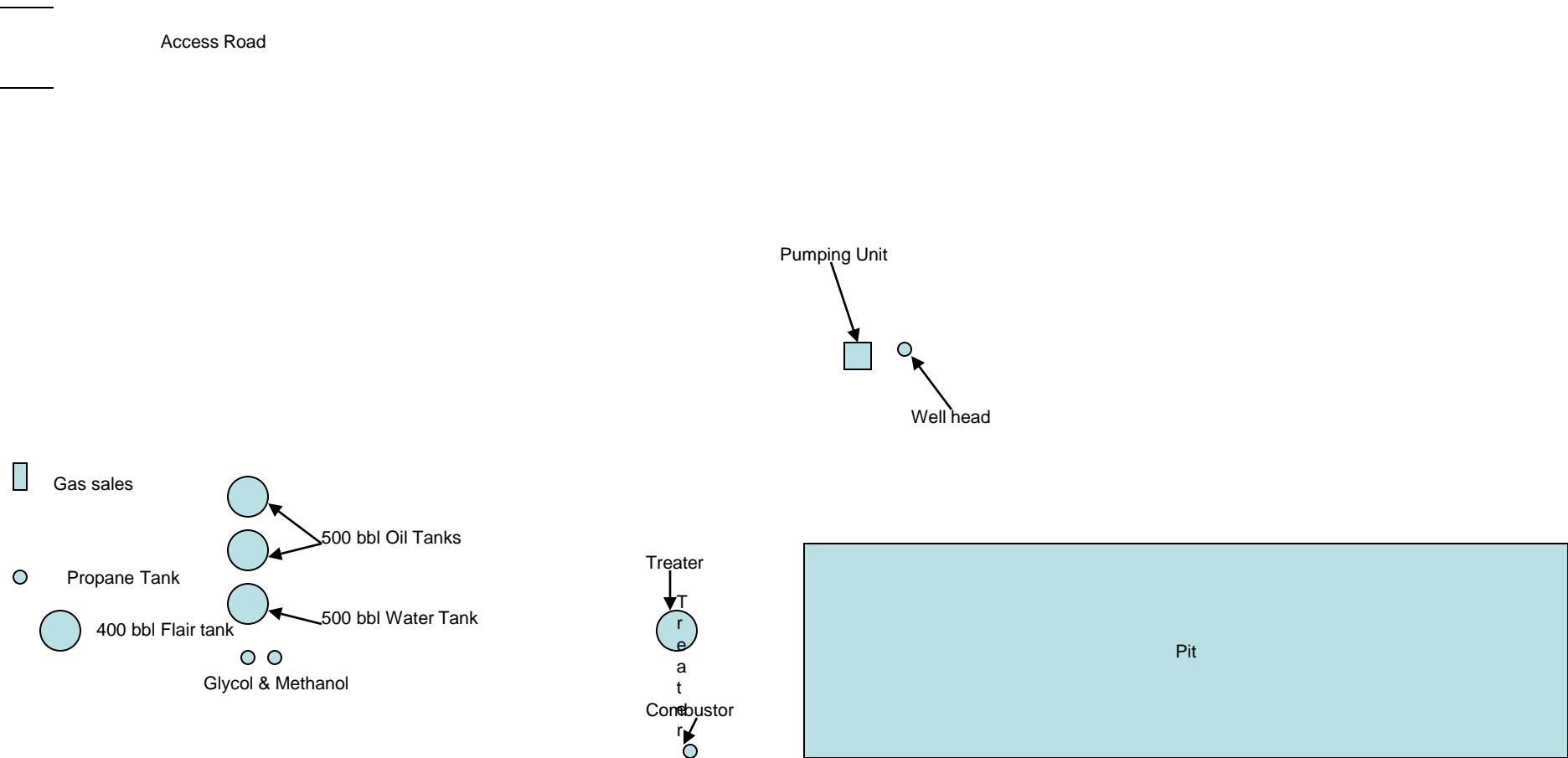


Proposed  
Access Road

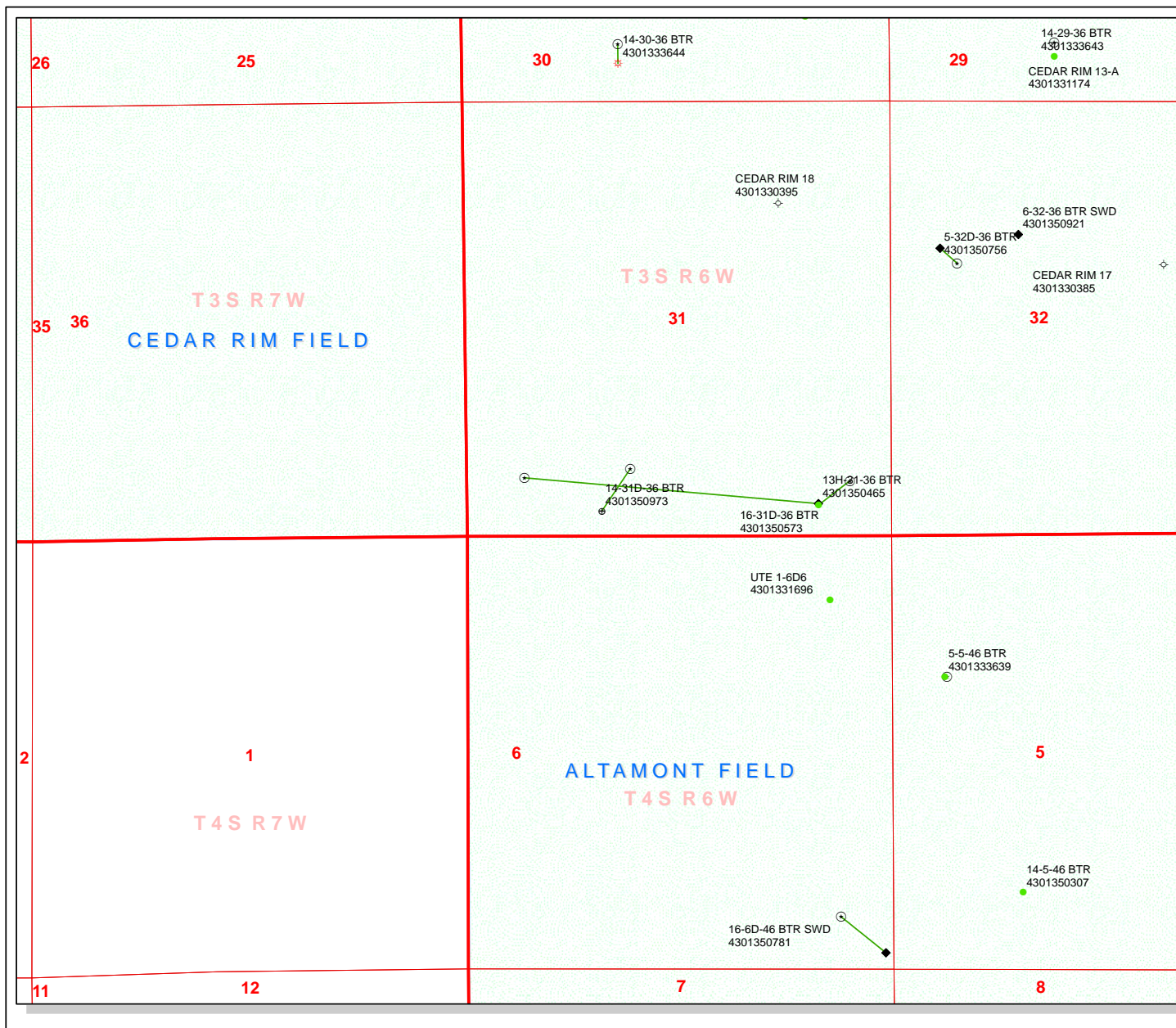




14-31D-36 BTR Facility Diagram



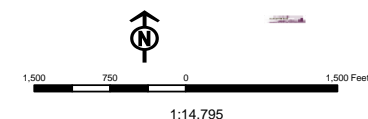




**API Number: 4301350973**  
**Well Name: 14-31D-36 BTR**  
**Township T0.3 . Range R0.6 . Section 31**  
**Meridian: UBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
 Map Produced by Diana Mason

Units	Wells Query
<b>STATUS</b>	<b>Status</b>
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
<b>Fields</b>	<b>Fields</b>
Unknown	SGW - Shut-in Gas Well
ABANDONED	SOW - Shut-in Oil Well
ACTIVE	TA - Temp. Abandoned
COMBINED	TW - Test Well
INACTIVE	WDW - Water Disposal
STORAGE	WIW - Water Injection Well
TERMINATED	WSW - Water Supply Well
Sections	
Township	





# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

<b>Operator</b>	BILL BARRETT CORP				
<b>Well Name</b>	14-31D-36 BTR				
<b>API Number</b>	43013509730000	<b>APD No</b>	4656	<b>Field/Unit</b>	CEDAR RIM
<b>Location: 1/4,1/4</b>	SESW	<b>Sec</b> 31	<b>Tw</b> 3.0S	<b>Rng</b> 6.0W	298 FSL 1632 FWL
<b>GPS Coord (UTM)</b>	533355	4446489	<b>Surface Owner</b>	Bill Barrett Corporation	

### **Participants**

James Hereford (BLM), Kelly Jo Jackson (Archeologist), Roger Knight (BBC, dirt supervisor), Kary Eldredge (BBC), Trevor Anderson (UELS, surveyor), Don Hamilton (Starpoint, permit agent)

### **Regional/Local Setting & Topography**

This location sits approximately .6 miles south of Hwy 40 at a point approximately 10.5 miles west of Duchesne, UT. The location is set in a saddle which rises north and south and drains east and west. The drainage either east or west goes to a steep draw called Blackburn Hollow directly south of the location which then falls to the Strawberry river approximately 1.5 miles south.

### **Surface Use Plan**

**Current Surface Use**  
Wildlife Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.5	<b>Width</b> 285 <b>Length</b> 400	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Deer, elk, coyote, rabbits and other small mammals, song birds, raptors  
Pinion, Juniper, mahogany, sparse to no grass

#### **Soil Type and Characteristics**

Sandy soil with scattered broken rocks on surface

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** Y

Minor drainage needs to be rerouted around north side of location

**Berm Required?** N



Erosion Sedimentation Control Required? N

Paleo Survey Run? Y   Paleo Potential Observed? N   Cultural Survey Run? Y   Cultural Resources? N

**Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	High permeability	20
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>	30	1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit will be placed in cut in a stable location. The pit will be 100ft x 200ft x 8ft deep with a total capacity including freeboard of 16,830bbl. Kary Eldredge of BBC said they will use a 16 mil liner with a felt sub-liner and this will be adequate for the site.

Closed Loop Mud Required? N   Liner Required? Y   Liner Thickness 16   Pit Underlayment Required? Y

**Other Observations / Comments**

Richard Powell  
Evaluator

9/7/2011  
Date / Time



# Application for Permit to Drill Statement of Basis

9/27/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
4656	43013509730000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	Bill Barrett Corporation	
<b>Well Name</b>	14-31D-36 BTR		<b>Unit</b>		
<b>Field</b>	CEDAR RIM		<b>Type of Work</b>	DRILL	
<b>Location</b>	SESW 31 3S 6W U 298 FSL 1632 FWL GPS Coord (UTM) 533358E 4446492N				

**Geologic Statement of Basis**

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

 Brad Hill  
**APD Evaluator**

 9/26/2011  
**Date / Time**
**Surface Statement of Basis**

This onsite inspection was scheduled by James Hereford of the BLM in cooperation with Bill Barrett Corporation. Bill Barrett Corporation has purchased the surface of this location. Archeologist Kelly Jo Jackson was on site and stated that there are 3 arch sites along the access route to this site but they are not eligible for preservation and therefore Ms. Jackson stated that it is OK to disturb the sites to access this location. James Hereford asked for the wood to be piled up off location to be used for reclamation later on. Mr. Hereford also asked for the production equipment to be moved to the front of the location. Kary Eldredge of BBC agreed to these requests.

A minor drainage crosses this location and must be diverted to the north side. This appears to be a good location for placement of this well.

This location sits approximately .6 miles south of Hwy 40 at a point approximately 10.5 miles west of Duchesne, UT. The location is set in a saddle which rises north and south and drains east and west. The drainage either east or west goes to a steep draw called Blackburn Hollow directly south of the location which then falls to the Strawberry river approximately 1.5 miles south.

 Richard Powell  
**Onsite Evaluator**

 9/7/2011  
**Date / Time**
**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 9/15/2011**API NO. ASSIGNED:** 43013509730000**WELL NAME:** 14-31D-36 BTR**OPERATOR:** BILL BARRETT CORP (N2165)**PHONE NUMBER:** 303 312-8172**CONTACT:** Venessa Langmacher**PROPOSED LOCATION:** SESW 31 030S 060W**Permit Tech Review:** ☒**SURFACE:** 0298 FSL 1632 FWL**Engineering Review:** ☐**BOTTOM:** 0810 FSL 1980 FWL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.17002**LONGITUDE:** -110.60825**UTM SURF EASTINGS:** 533358.00**NORTHINGS:** 4446492.00**FIELD NAME:** CEDAR RIM**LEASE TYPE:** 2 - Indian**LEASE NUMBER:** 1420H626405**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH**SURFACE OWNER:** 4 - Fee**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** INDIAN - LPM8874725☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 43-180☐ **RDCC Review:**☒ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:**☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 139-84**Effective Date:** 12/31/2008**Siting:** 660' Fr Drl U Bdry & 1320' Fr Other Wells☒ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:**  
4 - Federal Approval - dmason  
5 - Statement of Basis - bhll  
15 - Directional - dmason**RECEIVED: September 27, 2011**





GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** 14-31D-36 BTR  
**API Well Number:** 43013509730000  
**Lease Number:** 1420H626405  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 9/27/2011

**Issued to:**

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>



**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 15 2011

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER **BLM**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 1420H626405
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420	8. Lease Name and Well No. 14-31D-36 BTR
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SESW 298FSL 1632FWL 40.169967 N Lat, 110.609067 W Lon At proposed prod. zone SESW 810FSL 1980FWL 40.171369 N Lat, 110.678310 W Lon		9. API Well No. 43-013-50973
14. Distance in miles and direction from nearest town or post office* 11.7 MILES SOUTHWEST OF DUCHESNE, UT		10. Field and Pool, or Exploratory CEDAR RIM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 810'	16. No. of Acres in Lease 630.08	11. Sec., T., R., M., or Blk. and Survey or Area Sec 31 T3S R6W Mer UBM SME: FEE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 4633'	19. Proposed Depth 9491 MD 9431 TVD	12. County or Parish DUCHESNE
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6481 GL	22. Approximate date work will start 01/01/2012	13. State UT
17. Spacing Unit dedicated to this well 640.00		20. BLM/BIA Bond No. on file WYB000040 LPM 8874725
23. Estimated duration 60 DAYS (D&C)		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-312-8172	Date 09/15/2011
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date DEC 14 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #117698 verified by the BLM Well Information System  
For BILL BARRETT CORPORATION, sent to the Vernal  
Committed to AFMSS for processing by ROBIN R. HANSEN on 09/19/2011 (11RRH1538AE)

UDOGM





UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Bill Barrett Corporation  
Well No: 14-31D-36 BTR  
API No: 43-013-50973

Location: SESW, Sec. 31, T3S, R6W  
Lease No: 14-20-H62-6405  
Agreement:

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Production facilities will be painted Beetle Green to blend in with the surrounding habitat.
- Wood that will be removed will be piled up along well access road, and around well pad. This can be used by the land owner, or for reclamation purposes.
- The reserve pit will be lined with a 20 mil liner to help prevent any leaks from occurring.
- Production equipment will be placed towards the front of the pad to maximize interim reclamation efforts.
- Site reclamation will be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact surface owner or the BLM for possible seed mixes to use in the project area. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.



**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 400 ft. above the surface casing shoe.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person



making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.



## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if



performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626405
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 14-31D-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0298 FSL 1632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509730000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: <b>5/10/2012</b>	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 This well was spud on 05/10/2012 by Triple A Drilling at 9:00 am.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 May 16, 2012

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/16/2012	



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Bill Barrett Corporation Operator Account Number: N 2165  
Address: 1099 18th Street, Suite 2300  
city Denver  
state CO zip 80202 Phone Number: (303) 312-8172

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350973	14-31D-36 BTR		SESW	31	3S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	new	18524	5/10/2012			5/14/2012	
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 9:00 am. <u>GR-WS BHL SESW</u>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350675	16-1D-46 BTR		SESE	1	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	new	18525	5/12/2012			5/14/2012	
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 9:00 am. <u>GR-WS BHL SESE</u>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350847	5-27D-37 BTR		SWNW	27	3S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	new	18526	5/14/2012			5/14/2012	
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 6:00 pm. <u>GR-WS BHL SWNW</u>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

5/16/2012

Title

Date

**RECEIVED**  
**MAY 16 2012**

Div. of Oil, Gas & Mining



## BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling  
Submitted By Venessa Langmach Phone Number 303-312-8172  
Well Name/Number 14-31D-36 BTR  
Qtr/Qtr SESW Section 31 Township 3S Range 6W  
Lease Serial Number 1420H626405  
API Number 4301350973

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 05/10/2012 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED

MAY 08 2012

DIV. OF OIL, GAS &amp; MINING

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_  
\_\_\_\_\_



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626405
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 14-31D-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0298 FSL 1632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509730000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Well spud this month, no other May 2012 monthly drilling activity to report.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 June 05, 2012

<b>NAME (PLEASE PRINT)</b> Megan Finnegan	<b>PHONE NUMBER</b> 303 299-9949	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/5/2012	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626405
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 14-31D-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0298 FSL 1632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509730000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

No June 2012 monthly drilling activity to report.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 July 05, 2012

<b>NAME (PLEASE PRINT)</b> Megan Finnegan	<b>PHONE NUMBER</b> 303 299-9949	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/3/2012	



BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# H&P Rig # 273  
Submitted By Jack Warr Phone Number 281-833-2777  
Well Name/Number 14-31D-36 BTR  
Qtr/Qtr SE SW Section 31 Township 3S Range 6W  
Lease Serial Number \_\_\_\_\_  
API Number 43-013-509730

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 7-27-12 500 AM ☐ PM ☒

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED  
JUL 26 2012  
DIV. OF OIL, GAS & MINING

Date/Time 7-27-12 500 AM ☐ PM ☒

Remarks

Run 2000' 9 5/8, Cas, 36# ,J-55, STC



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
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<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 14-31D-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0298 FSL 1632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509730000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/31/2012	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE   <input type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input type="checkbox"/> PLUG BACK   <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION           OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; padding: 20px;">             July 2012 monthly drilling activity report is attached.           </div> <div style="text-align: right; padding: 20px;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p><b>FOR RECORD ONLY</b></p> <p>August 06, 2012</p> </div>		
<b>NAME (PLEASE PRINT)</b> Megan Finnegan		<b>PHONE NUMBER</b> 303 299-9949
<b>SIGNATURE</b> N/A		<b>TITLE</b> Permit Analyst
<b>DATE</b> 8/2/2012		



**14-31D-36 BTR 7/22/2012 12:00 - 7/23/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
12:00	10.00	22:00	1	RIGUP & TEARDOWN	R/D V-Door,Cat walk,Rig Floor, pull Wires Vfd To Mud Pumps Dressed Derrick, Split Blocks, Spool Up Drill Line ( 56' ) Stroke & Pin MRC, Pull Wires Upper MCC To Top Drive, Held PRE Job Saftey Meeting, Lay Over Derrick	
22:00	8.00	06:00	21	Wait On Daylight	Wait On Daylight	

**14-31D-36 BTR 7/23/2012 06:00 - 7/24/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	12.00	18:00	1	RIGUP & TEARDOWN	Rig Down & Move, Rig Down Electrical To Gen House VFD Utility Skid,Pump ,Pits,Shakers,Water Tank, Both MCC's & Sub, Move Loads In Backyard & Break Down Derrick & Sub Structure, Rig Up Pits & Water Tank On New loction & Set Mats Baords & Jack Subs	
18:00	12.00	06:00	21	Waiting On Day Light	Waiting On Daylight	

**14-31D-36 BTR 7/24/2012 06:00 - 7/25/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	18.00	00:00	1	RIGUP & TEARDOWN	Move In & Rig Up Pits,Pumps,Utility Skid,VFD,Gen Sets, Sub Structure, Water Yanks, Shakers, Choke House & Upright, & Pin Derrick, Run All Electrical To Pits, Pumps Utility Skid, Grasshipper, VFD, Gen Seta Diesel Tanks, Sub Structure & Derrick, Drive All Grounds Rods & Set Out Fire Extinguishers, Raise Derrick & Spool Up Tugger Lines & Draw Works, SetCatwalk & Beaver Slide, Make up Saver Sub, & Function Test Draworks, Mud Pumps	
00:00	6.00	06:00	21	Wait On Daylight	Wait On Daylight	

**14-31D-36 BTR 7/25/2012 06:00 - 7/26/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	6.00	12:00	1	RIGUP & TEARDOWN	Finish Rigging Up, Function Test Mud Pumps & All Solids Equip. Run Dwks & All Hydraulic & Electrical Equipment. Perform Pre-Acceptance Safety Check List.	
12:00	2.00	14:00	20	DIRECTIONAL WORK	ACCEPT RIG ON DAYWORK @ 12:00 Hr, 7/25/12 . Load Racks, Strap & Caliper BHA & Tools.	
14:00	2.00	16:00	20	DIRECTIONAL WORK	M/U Bit & Pick Up BHA # 1, Scribe Mtr Etc. Tag Btm @ 104'	
16:00	14.00	06:00	2	DRILL ACTUAL	Spud In 12 1/4" Surface Hole @ 1600 Hr, 7/25/12. Tag @ 103' RKB -Steerable Drill f/ 103' to 709' ( 606' ) Wob 12-15 k, Rpm Rotary 50-, Mtr 92, Gpm 450 SPP 681 Psi, Diff 187 Psi. Rotate 97%, Slide 3 %	

**14-31D-36 BTR 7/26/2012 06:00 - 7/27/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	9.50	15:30	2	DRILL ACTUAL	Steerable Drill 12 1/4" Surface Hole f/ 709' to 1396' ( 687' ) Avg ROP 72.3'/Hr	
15:30	0.50	16:00	7	LUBRICATE RIG	Service Rig	
16:00	8.50	00:30	2	DRILL ACTUAL	Steerable Drill 12 1/4" Surface Hole f/ 1396' to 2013' ( 617' ). Avg ROP 72.6'/Hr.  Rotate 90% - Slide 10%	
00:30	1.50	02:00	5	COND MUD & CIRC	Sweep Hole Twice & Circ Clean. Flow Check Negative. Pump Slug.	
02:00	2.50	04:30	6	TRIPS	TOH ( SLM )	
04:30	1.50	06:00	20	DIRECTIONAL WORK	L/D Directional Tools & 8" DCs.	

**14-31D-36 BTR 7/27/2012 06:00 - 7/28/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	20	DIRECTIONAL WORK	L/D Directional Tools Etc.
08:00	2.00	10:00	12	RUN CASING & CEMENT	Held Pre-Job Safety Mtg w/ All Personell, R/U Franks / Westates Csg Tools & P/U Machine.
10:00	4.00	14:00	12	RUN CASING & CEMENT	Run 9-5/8", 36#, J-55, STC Surface Csg = Float Shoe - 1 Joint Csg - Float Collar - 45 Jts Csg. Pump Thru Shoe Track & Fill Every 10 Joints. Tag Btm Install Cmt Head.
14:00	1.50	15:30	5	COND MUD & CIRC	Circ & Cond While R/D Franks & R/U Halliburton Equip.
15:30	8.50	00:00	12	RUN CASING & CEMENT	Pressure Test Lines To 3000 Psi OK. Cement 9-5/8" Csg = 20 Bbl Water, 40 Bbl Super Flush @ 10.0 Ppg, 10 Bbl Water Ahead Of 300 Sx, 168 Bbl Lead Halliburton Light Mixed @ 11.0 Ppg, 3.16 Yld, 19.48 Gps Water & Tail w/ 235 Sx, 60 Bbl Premium Plus Mixed @ 14.8 Ppg, 1.33 Yld, 6.31 Gps Water. Displace w/ 157 Bbl 8.8 Ppg Spud Mud. Bumped Plug, Floats Held, ( 500 Psi Over ). Full Returns While Recip. 15' Stroke, 100 Bbl Cmt To Surface. Cement Fell 58'. Run 120' Of 1" Topped Out w/ 50 Sx Neat w/ 2% CaCl2. Cement Fell Back 24' Below G.L. After 2 Hrs, 2nd Top Out w/ 25 Sx 16.0 Ppg w/ 2% CaCl2. WOC 1 Hr. No Fall Back.
00:00	2.50	02:30	21	WELD ON WELLHEAD	Cut-Off & Remove Conductor & 9-5/8" Landing Joint. Prep & Install Cameron 9-5/8" x 11" 5M SOW Wellhead.
02:30	3.50	06:00	14	NIPPLE UP B.O.P	Nipple Up BOPE = Riser Spools - 11" 5M Double Gate w/ Blinds On Top - Annular - Rotating Head. Set Test Plug.

**14-31D-36 BTR 7/28/2012 06:00 - 7/29/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	15	TEST B.O.P	R/U A-1 Testing - Pressure Test BOPE = Blind Rams, Pipe Rams, Choke Line Valves & Manifold, HCR Valve, Kill Line & Valves, Check Valve, Upper & Lower IBOPs, Floor Safety Valves & Dart Valve, Mud Line To Rig Pump 250 Psi Low/ 5 Min. & 5000 Psi Hi/ 10 Minutes. Annular 250 Psi Low/ 5 Min, 2500 Psi High 10 Min. Pull Test Plug - Pressure Test Casing 1500 Psi / 30 Min. OK. - R/D BOP Tester.
12:30	1.50	14:00	21	LOAD RACKS STRAP & CALIPER	Load Racks w/ BHA & Drill Pipe - Strap & Caliper.
14:00	0.50	14:30	7	LUBRICATE RIG	Service Rig
14:30	2.00	16:30	20	DIRECTIONAL WORK	M/U BHA #2 - Surface Test Motor /MWD- Scribe Tools. = PDC Bit #2 - Hunting 1.5", 7/8 L, 3.5 Stg, .15 Rpg Motor - 3 Pt Rmr - UBHO - NMDC/EM Tool - Gap Sub - NMDC - 3 Pt Rmr - 10, 6 1/2" DCs - 14 HWDP. OAL 849.14' Bit To Bend 6.20' - Bit To Survey 57.0'
16:30	1.50	18:00	6	TRIPS	TIH to 1953' - Wash To Float Collar @ 1966'.
18:00	1.50	19:30	22	DRILL CEMENT	Drill Float @ 1966' Cement & Shoe @ 2013' -
19:30	0.50	20:00	2	DRILL ACTUAL	Drill new formation f/ 2013' to 2030' ( 17' ).
20:00	1.00	21:00	5	COND MUD & CIRC	Circ Hole Clean - Spot LCM Pill, Perform F.I.T. to 10.5 Ppg EMW = 180 Psi @ 8.9 Ppg Mud Wt.
21:00	9.00	06:00	2	DRILL ACTUAL	Steerable Drill New Formation f/ 2030' to 2450' ( 420' ), Wob 10- 12k, Rpm 45 Rotary, 75 Motor, Gpm 495, SPP 1050 Psi, Avg Rop 47.3'/ Hr. Overall. Rotate 91% Avg Rop 54.2'/ Hr Slide 9% Avg Rop 20.6'/ Hr. Directional Plan 1.5*/ 100' Build To 14.5* @ 35 Az.

**14-31D-36 BTR 7/29/2012 06:00 - 7/30/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	2	DRILL ACTUAL	Steerable Drill 8 3/4" Prod. Hole f/ 2450' to 2932' ( 482' ), Wob 10 - 15k, Rpm Rotary 45, Motor 75 Rpm, Gpm 494, SPP 1050 Psi, Avg Rop 60'/ Hr. Sliding 15'-22' / Jt. to Achieve Build. Rotate 67% Rop 85.8' /Hr Slide 33% Rop 37.2'/Hr.
14:00	0.50	14:30	7	LUBRICATE RIG	Service Rig - BOP Drill 60 Sec. Function Pipe Rams
14:30	15.50	06:00	2	DRILL ACTUAL	Steerable Drill f/ 2932' to 3715' ( 783' ).Rotary 45, Motor 75 Rpm, Gpm 494, SPP 1050 Psi, Avg Rop 60'/ Hr. Reduce Slides 15' - 8'/ Jt To Hold. Rotate 67% Rop 85.8' /Hr Slide 33% Rop 37.2'/Hr.  Last Survey 3632', 17.8* Inc, 31.1 Az



BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# H&P Rig # 273  
Submitted By Jack Warr Phone Number 281-833-2777  
Well Name/Number 14-31D-36 BTR  
Qtr/Qtr SE SW Section 31 Township 3S Range 6W  
Lease Serial Number \_\_\_\_\_  
API Number 43-013-509730

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 8-6 -12 500 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 8-6-12 500 AM ☒ PM ☐

Remarks

5 1/2", 17#, P-110, LTC Prod Csg @ 8545' MTD

RECEIVED

AUG 08 2012

DIV. OF OIL, GAS & MINING



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626405
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 14-31D-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0298 FSL 1632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509730000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. August 2012 monthly drilling activity report is attached.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> September 05, 2012		
<b>NAME (PLEASE PRINT)</b> Megan Finnegan	<b>PHONE NUMBER</b> 303 299-9949	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/4/2012	



**14-31D-36 BTR 8/1/2012 06:00 - 8/2/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	Steerable Drill 8 3/4" Production Hole f/ 5366' to 5682' ( 316' ) Wob 15k, Rpm Rotary 45, Motor 68, Gpm 450, SPP 1450 Psi. Mud Losses Nil - LCM to 28% In Active System to Seal Losses.  Rotate 68% Avg Rop 75'/ hr Slide 32%, Avg Rop 14.4'/ hr.
12:00	0.50	12:30	7	LUBRICATE RIG	Service Rig
12:30	17.50	06:00	2	DRILL ACTUAL	Steerable Drill 8 3/4" Production Hole f/ 5682' to 6067' ( 385' ) Wob 15k, Rpm Rotary 45, Motor 68, Gpm 450, SPP 1450 Psi. Mud Losses Nil - LCM to 18% In Active System to Seal Losses.  Rotate 70% Avg Rop 74.7'/ hr Slide 30%, Avg Rop 22.1'/ hr.

**14-31D-36 BTR 8/2/2012 06:00 - 8/3/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Steerable Drill 8 3/4" Production Hole f/ 6067' to 6536 ( 469' ) Wob 16 k, Rpm Rotary 45, Motor 68, Gpm 450, SPP 1450 Psi. Mud Losses Nil - LCM to 18% In Active System to Seal Losses.  Rotate 70% Avg Rop 74.7'/ hr Slide 30%, Avg Rop 22.1'/ hr.
16:30	0.50	17:00	7	LUBRICATE RIG	Service Rig
17:00	13.00	06:00	2	DRILL ACTUAL	Steerable Drill 8 3/4" Production Hole f/ 6536' to 7042' ( 506' ) Wob 18k, Rpm Rotary 40 - 65, Motor 74, Gpm 495, SPP 1675 Psi. Mud Losses Nil - LCM to 18% In Active System to Seal Losses.  Rotate 76% Avg Rop 70.7'/ hr Slide 24%, Avg Rop 20.1'/ hr.

**14-31D-36 BTR 8/3/2012 06:00 - 8/4/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.50	18:30	2	DRILL ACTUAL	Steerable Drill 8 3/4" Production Hole f/ 7042' to 7481' ( 439' ) Wob 18k, Rpm Rotary 40 - 45, Motor 74, Gpm 495, SPP 1675 Psi. LCM to 24% In Active System to Seal Losses.  Rotate 88% Avg Rop 52'/ hr Slide 12%, Avg Rop 11'/ hr.
18:30	0.50	19:00	5	COND MUD & CIRC	Circ & Evaluate 3600 u Gas Increase, From Lag Depth Of 7444'. Flow Check Negative.
19:00	11.00	06:00	2	DRILL ACTUAL	Make Connection & Drill f 7481' to 7832' ( 351' ) Thru Gas Buster = 15' Flare On Btms Up f/ 3 Minutes Reducing to 3' Residual flare & @ 2000 u While Drlg. An Increase In Oil in Return Mud. Raised Mud Wt f 9.5 ppg To 9.7 Ppg w/ No Effect. Had to Raise LCM f/ 25% to 30% To Seal 25 Bbl/ hr Loss.  Rotate 92%, Avg Rop 40'/ hr. Slide 8%, Avg Rop 10'/ hr

**14-31D-36 BTR 8/4/2012 06:00 - 8/5/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Steerable Drill 8 3/4" Production Hole f/ 7832' to 8149' ( 317' ) Wob 18k, Rpm Rotary 40 - 45, Motor 74, Gpm 495, SPP 1850 Psi. LCM to 30% In Active System to Seal Losses.  Rotate 88% Avg Rop 40.3'/ hr Slide 12%, Avg Rop 11'/ hr.
16:30	0.50	17:00	7	LUBRICATE RIG	Service Rig
17:00	13.00	06:00	2	DRILL ACTUAL	Steerable Drill 8 3/4" Production Hole f/ 8149' to 8545' ( 396' ) Wob 18k, Rpm Rotary 40 - 55, Motor 74, Gpm 495, SPP 1850 Psi. LCM to 35% In Active System to Seal Losses.  Rotate 100% Last 480' To MTD Of 8 3/4" Prod. Hole = 8545' Note: Battery Failed On MWD/ EM Tool.

**14-31D-36 BTR 8/5/2012 06:00 - 8/6/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	5	COND MUD & CIRC	Circ 3 x Btms Up @ MTD Of 8545'. Flow Check Negative.
09:00	6.00	15:00	6	TRIPS	TOH 45 Std Wiper Trip to 4734'. "Good Hole Conditions"- Hole Not Taking Proper Fill - TIH & Wash Last Std To Btm.
15:00	8.50	23:30	5	COND MUD & CIRC	Circ & Cond - Gas To Surface @ 1/2 Btms Up Stks. 25' Flare f/ 15 Min. Raise Mud Wt f/ 9.7 Ppg to 9.9+ Ppg. 35% LCM. Shut Pump Down & Reciprocate DP For 10 Min. Circ Btms Up @ 250 Gpm Reducing to 150 Gpm As Losses Reached @ 100 Bbl/ hr . Lost Returns as 9.9+ Mud Reaches Surface Csg Shoe. Shut Down & Build Surface Volume. Regain Circ w/ 90 Gpm increasing to 160 Gpm @ 30 Bbl/ hr Loss. Circ Out Downtime Gas Max @ 1400 u. - Check F/ Flow f 15 Minutes To "0" flow.
23:30	2.00	01:30	6	TRIPS	Short Trip 15 Stds to 7358' - Well Swabbed & Did Not Take Any Fluid On Hole Fill, TIH, Wash to Btm.
01:30	4.50	06:00	5	COND MUD & CIRC	Break Circ @ 135 Gpm To Minimize Losses, Btms Up = On Time @ 2500 u Thru Buster, Flare Igniter Failed To Ignite. Raising LCM to 38% Mud Wt 10.0 Ppg. Building Mud Cap Volume In Pre-mix Tank, 250 Bbl Of 11.5 Ppg in Progress.

**14-31D-36 BTR 8/6/2012 06:00 - 8/7/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	5	COND MUD & CIRC	Circ & Cond @ MTD 8545' - Raise Mud Wt to 10.1 Ppg, LCM to 38% To Control Losses. Build 250 Bbl Of 11.5 Ppg Kill Mud In Pre-Mix Tank.
12:00	4.00	16:00	6	TRIPS	Flow Check "0" After 15 Minutes. TOH 25 Stds to 6251' Filling Hole Down Drill Pipe Every 5 Stds. Hole Not Taking Proper Fill. Monitor Flow Negative.
16:00	3.00	19:00	5	COND MUD & CIRC	Circ Bottoms Up @ 112 Gpm To Limit Losses, 1500 u Gas.
19:00	3.50	22:30	6	TRIPS	Flow Check "0" In 17 Minutes. TOH 6251' to 3833' Filling Hole Thru Drill Pipe. Monitoring Well On Trip Tank.
22:30	1.50	00:00	5	COND MUD & CIRC	Circ. To Clear Annulas = 2215 u Down Flowline @ 2010 Strokes On Pump ( 201 Bbl ).
00:00	1.00	01:00	6	TRIPS	TOH 5 Stds to 3355" ( Well Swabbed 4 Bbl/ Std = 20 Bbl Into Trip Tank ). Decision To TIH & Circ Out.
01:00	1.50	02:30	6	TRIPS	Stage In Hole - F/ 3355' To 4483', Circ & Monitor Losses. Stage 10 Stds f/ 4483' to 5208' ( NOTE: Began Getting Displacement Returns @ 4700' on TIH ( " Now Below Weak Zone? ). Break Circ & Monitor Loss/ Gain.
02:30	1.50	04:00	5	COND MUD & CIRC	Break Circ & Circ BTms Up To Clear Annulas = 1100 u Down Flowline.
04:00	2.00	06:00	6	TRIPS	Stage In Hole To 6113' - Break Circ & Monitor Losses.

**14-31D-36 BTR 8/7/2012 06:00 - 8/8/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	6	TRIPS	Stage In Hole F/ 6113' To 7010' - top Of Wasatch.
06:30	2.50	09:00	5	COND MUD & CIRC	Circ & Cond - Circ Bottoms up + Max Gas 3700 u Thru Gas Buster. No Flare.
09:00	0.50	09:30	6	TRIPS	TIH f 7010' To 7530, Tag Up w/ 35 k.





Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
09:30	5.00	14:30	3	REAMING	Ream Thru Tight spot @ 7530' Easily, Wash f/ 7530' to 8545' MTD. Circ Out Dehydrated Mud Max Gas f/ 7530' = 4400 u Thru Gas Buster w/ 5' Flare f/ 5 Minutes.	
14:30	6.00	20:30	5	COND MUD & CIRC	Circ & Cond @ MTD 8545'. All Things Stable - Shake LCM f/ 38% to 25% to Reduce Swab Effect. Spot 90 Bbl -1200' Of Annular Volume, f/ Top Of Wasatch 7000' To 5800' 12.0 Ppg Mud Cap ( Trip Pill ).	
20:30	8.00	04:30	6	TRIPS	TOH to Run 5 1/2" Prod. Csg - Closely Monitoring Hole Fill. Pull Rotating Head,	
04:30	1.50	06:00	20	DIRECTIONAL WORK	Lay Down Directional Tools.	

**14-31D-36 BTR 8/8/2012 06:00 - 8/9/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	0.50	06:30	21	PULL WEAR BUSHING	Pull Wear Bushing,	
06:30	2.00	08:30	12	RUN CASING & CEMENT	Held Pre-Job Safety Mtg w/ All Personnel, R/U Franks Westates Csg Tools & Equipment.	
08:30	8.00	16:30	12	RUN CASING & CEMENT	Run Production Csg- 5 1/2", 17.0#, P-110, LTC Csg = Float Shoe, 2 Jts Csg, Float Collar, 196 Jts Csg. OAL 8555.95'	
16:30	2.50	19:00	5	COND MUD & CIRC	Circ Well To Clear Annulas & Monitor Flow - Well Giving Back Mud Once Trip Slug Was Circ Out, 20% Flow Initiated Well Control Practices & Circ Out Thru Choke = 4000 u Gas Thru Gas Buster No Flare.	
19:00	6.00	01:00	12	RUN CASING & CEMENT	Run 5 1/2" Casing, Circ @ 6028', 6506', 7032' 7816' To Remove 12.0 ppg "Mud Cap" & Sustain Displacement Returns While Running Csg.	
01:00	1.50	02:30	5	COND MUD & CIRC	Wash 40' To Btm f/ 8505' to 8545', Rig Down Franks Csg tools & P/U Machine.	
02:30	3.50	06:00	12	RUN CASING & CEMENT	Pre-Job Safety Mtg , R/U Halliburton, Swap Lines & Cement 5 1/2" Prod Csg As Per Design. = Pressure Test Lines To 5000 Psi, OK.- 5 Bbl Fresh Water, 40 Bbl Super Flush @ 10.Ppg, 5 Bbl Water Ahead Of 800 sx/ 332 Bbl Of Tuned Light Lead Cement Mixed @ 11.0 #, 2.33 yld, 10.61 Gps Water, Tail w/ 800 sx/ 202 Bbl ECONOCHEM Mixed @ 13.5 #, 1.42 yld, 6.65 Gps Water. Drop Top Plug & Displace w/ 196 Bbl Fresh Water w/ Biocide. Bump Plug w/ xxxx Psi,Went xxx Psi Over = xxxx Psi, Floats Held. Reciprocated Csg 15' During Job. Lost Returns 50 Bbl From Plug Down, No cement To Surface.	

**14-31D-36 BTR 8/9/2012 06:00 - 8/10/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	12	RUN CASING & CEMENT	Finish Pumping Displacement 196 Bbl Water w/ Aldacide & Clay Web Stabilizer. Bumped Plug w/ 500 Psi Over 2375 Psi, Floats Held, Bled Back 2 Bbl. Lost Circ 140 Bbl Into 195 Bbl Displacement. No Cement To Surface, Reciprocated Pipe15'. Rig down Howco.	
08:00	1.00	09:00	21	SET CASING SLIPS	Raise BOPs & Install Cameron Casing Hanger Slips w/ 175 k, 300 k Tension, Witnessed By J Warr BBC Co. Rep. Secure Well w/ Cameron 11" x 5M "Night Cap".	
09:00	2.50	11:30	14	NIPPLE DOWN B.O.P	N/D & Rack Back BOPs.	
11:30	2.00	13:30	22	SKID RIG OVER MOUSEHOLE	Prep. & Skid Rig Over Mousehole.	
13:30	11.50	01:00	23	LDDP	Rig Up Franks/ Westates L/D Machine - & Lay Down Contractors DP, HWDP & 10 - 6 1/2" DCs.	
01:00	1.00	02:00	22	SKID RIG TO HOME POSITION	Skid Rig Back To Home Position.	
02:00	4.00	06:00	21	CLEAN MUD TANKS	Clean Mud Tanks - Shale Shakers & All Mud Cleaning Equipment.	
					RELEASE RIG FROM DAYWORK CONTRACT @ 06:00, 8/10/12.	
					LAST DRILLING REPORT.	

**14-31D-36 BTR 8/13/2012 06:00 - 8/14/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	3.00	09:00	LOCL	Lock Wellhead & Secure	Well Secured With 11" Night Cap. BackFill Cellar	



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:00	2.00	11:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides. N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 5k Tbg. Head With 2 1/16' x 5k Gate Valves. Tested Hanger Seals To 7500 Psi, Good Test. Secured Well Head With 7" 5K Night Cap.
11:00	19.00	06:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.

**14-31D-36 BTR 8/14/2012 06:00 - 8/15/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00	LOCL	Lock Wellhead & Secure	Well head secured with 7-1/16" night cap
06:00		06:00	LOGG	Logging	Hsm with HES and Cable Pressure Test unit. Check pressure. ND Night cap. Ru HES to run combo logs. Ru Cable to hold pressure. Drill reports show FC at 8454'. Set down at 8418'. 36' high. Put 1000# pressure and log to surface. Bleed off pressure and RD HES and Cable. Nu 7-1/16" night cap
06:00		06:00	LOCL	Lock Wellhead & Secure	Well head secured w/ 7-1/16" night cap.

**14-31D-36 BTR 8/28/2012 06:00 - 8/29/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Start Setting Frac Line. Start Filling Frac Line. Production Crew Working On Facilities.

**14-31D-36 BTR 8/29/2012 06:00 - 8/30/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Prod. Crew Working On Facilities Frac Line 90% Set Filling Frac Line With KCL And Prod. Water



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626405
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 14-31D-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0298 FSL 1632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509730000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>9/8/2012</b>	<input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME		
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

This well had first gas sales on 9/6/2012 and first oil sales on 9/8/2012.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 September 12, 2012

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/10/2012	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> 14-31D-36 BTR
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43013509730000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0298 FSL 1632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 03.0S Range: 06.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

September 2012 monthly drilling activity report is attached.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 02, 2012

<b>NAME (PLEASE PRINT)</b> Megan Finnegan	<b>PHONE NUMBER</b> 303 299-9949	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/2/2012



**14-31D-36 BTR 9/1/2012 06:00 - 9/2/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Heat KCL Tanks Prep For Frac

**14-31D-36 BTR 9/2/2012 06:00 - 9/3/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	LOCL	Lock Wellhead & Secure	WSI And Secured. 0 Psi. On Well.
07:30	2.00	09:30	SRIG	Rig Up/Down	SLB WireLine Arrive On Location, Hold Safety Meeting. Rig Up Equipment. Pick Up Lubricator, Arm Gun, Rig Up To Well.
09:30	1.25	10:45	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RMT And RBL Dated 08/13/2012. Found And Correlated To Marker Joint At 7,135 - 7,157'. Drop Down To Depth, Perforate Stage 2 CR-4A/CR-4 Zone, 7,979 - 8,254'. 45 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
10:45	4.25	15:00	SRIG	Rig Up/Down	HES On Location At 12:00 Hrs. Rig Up Equipment
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**14-31D-36 BTR 9/3/2012 06:00 - 9/4/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.25	06:15	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0430 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:15	0.25	06:30	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.
06:30	2.00	08:30	FRAC	Frac. Job	Frac Stage 1. Fluid System: Hybor G 16 Open Well, 20 Psi. ICP. BrokeDown At 9.8 Bpm And 3,742 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.9 Bpm And 3,439 Psi., Get ISIP, 1,997 Psi.. 0.68 Psi./Ft. F.G.. 41/45 Holes. Con't With SlickWater Pad, 44,722 Gals.. Stage Into X Link Pad, 72.0 Bpm At 3,400 Psi.. On Perfs., 72.1 Bpm At 3,511 Psi., 11,352 Gals.. Stage Into 2#, 72.1 Bpm At 3,529 Psi.. On Perfs., 71.8 Bpm At 3,221 Psi., 9,059 Gals.. Stage Into 3#, 71.9 Bpm At 3,030 Psi.. On Perfs., 71.9 Bpm At 2,954 Psi., 17,069 Gals.. Stage Into 3.5#, 71.9 Bpm At 2,924 Psi.. On Perfs., 71.9 Bpm At 2,865 Psi., 10,008 Gals.. Stage Into 4#, 71.9 Bpm At 2,862 Psi.. On Perfs., 71.7 Bpm At 2,813 Psi., 10,545 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,161 Psi.. 0.70 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White - 140,500# Total Clean - 124,529 Gals.. 2,965 Bbls.. 2% KCL - 58,024 Gals.. ( 1,382 Bbls..) Prod. Water - 64,479 Gals.. ( 1,535 Bbls..) BWTR - 3,120 Bbls. Max. Rate - 72.2 Bpm Avg. Rate - 71.8 Bpm Max. Psi. - 3,546 Psi. Avg. Psi. - 3,201 Psi.
08:30	0.25	08:45	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
08:45	1.25	10:00	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RMT And RBL Dated 08/13/2012. Found And Correlated To Marker Joint At 7,135 - 7,157'. Drop Down To Depth, Set CBP At 7,973', 2,000 Psi.. Perforate Stage 2 CR-4/CR-3 Zone, 7,686 - 7,953'. 45 Holes, 2,000 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:00	0.25	10:15	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
10:15	1.34	11:35	FRAC	Frac. Job	<p>Frac Stage 2. Fluid System: Hybor G 16  Open Well, 1910 Psi. ICP. BrokeDown At 10.4 Bpm And 2,861 Psi..  Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 71.1 Bpm And 3,837 Psi., Get ISIP, 2,180 Psi.. 0.72 Psi./Ft.  F.G.. 37/45 Holes.  Con't With SlickWater Pad, 51,517 Gals..  Stage Into X Link Pad, 71.2 Bpm At 3,671 Psi..  On Perfs., 71.1 Bpm At 3,780 Psi., 12,952 Gals..  Stage Into 2#, 71.1 Bpm At 3,797 Psi..  On Perfs., 70.7 Bpm At 3,482 Psi., 8,767 Gals..  Stage Into 3#, 70.9 Bpm At 3,295 Psi..  On Perfs., 71.0 Bpm At 3,155 Psi., 24,635 Gals..  Stage Into 3.5#, 71.0 Bpm At 3,128 Psi..  On Perfs., 71.0 Bpm At 3,052 Psi., 9,736 Gals..  Stage Into 4#, 71.0 Bpm At 3,054 Psi..  On Perfs., 71.0 Bpm At 2,993 Psi., 9,923 Gals..  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,967 Psi.. 0.82 Psi./Ft.  F.G.. WSI And Secured.  Total 20/40 White - 160,400#  Total Clean - 136,078 Gals.. 3,240 Bbls.. 2% KCL - 66,013 Gals.. ( 1,572 Bbls..)  Prod. Water - 70,065 Gals.. ( 1,668 Bbls..)  BWTR - 3,400 Bbls.  Max. Rate - 72.7 Bpm  Avg. Rate - 70.5 Bpm  Max. Psi. - 3,799 Psi.  Avg. Psi. - 3,423 Psi.</p>
11:35	0.42	12:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
12:00	1.17	13:10	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes.  Correlating To HES RMT And RBL Dated 08/13/2012.  Found And Correlated To Marker Joint At 7,135 - 7,157'.  Drop Down To Depth, Set CBP At 7,680', 2,000 Psi..  Perforate Stage 3 CR-3/CR-2 Zone, 7,431 - 7,666'. 45 Holes, 2,000 Psi..  POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
13:10	0.16	13:20	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
13:20	1.08	14:25	FRAC	Frac. Job	<p>Frac Stage 3. Fluid System: Hybor G 16  Open Well, 1875 Psi. ICP. BrokeDown At 10.7 Bpm And 2,091 Psi..  Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 71.1 Bpm And 3,655 Psi., Get ISIP, 2,145 Psi.. 0.72 Psi./Ft.  F.G.. 39/45 Holes.  Con't With SlickWater Pad, 51,613 Gals..  Stage Into X Link Pad, 71.3 Bpm At 3,542 Psi..  On Perfs., 71.3 Bpm At 3,690 Psi., 12,976 Gals..  Stage Into 2#, 71.2 Bpm At 3,701 Psi..  On Perfs., 71.0 Bpm At 3,410 Psi., 8,496 Gals..  Stage Into 3#, 71.1 Bpm At 3,247 Psi..  On Perfs., 71.1 Bpm At 3,167 Psi., 25,588 Gals..  Stage Into 3.5#, 71.1 Bpm At 3,159 Psi..  On Perfs., 71.1 Bpm At 3,088 Psi., 9,441 Gals..  Stage Into 4#, 71.1 Bpm At 3,079 Psi..  On Perfs., 71.1 Bpm At 3,027 Psi., 9,405 Gals..  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,577 Psi.. 0.78 Psi./Ft.  F.G.. WSI And Secured.  Total 20/40 White - 160,100#  Total Clean - 137,822 Gals.. 3,281 Bbls.. 2% KCL - 65,906 Gals.. ( 1,569 Bbls..)  Prod. Water - 69,886 Gals.. ( 1,664 Bbls..)  BWTR - 3,451 Bbls.  Max. Rate - 71.3 Bpm  Avg. Rate - 71.1 Bpm  Max. Psi. - 3,701 Psi.  Avg. Psi. - 3,381 Psi.</p>
14:25	0.17	14:35	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:35	1.08	15:40	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RMT And RBL Dated 08/13/2012. Found And Correlated To Marker Joint At 7,135 - 7,157'. Drop Down To Depth, Set CBP At 7,406', 2,150 Psi.. Perforate Stage 4 CR-2/Wasatch Zone, 7,170 - 7,386'. 45 Holes, 2,100 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
15:40	0.08	15:45	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
15:45	1.17	16:55	FRAC	Frac. Job	Frac Stage 4. Fluid System: Hybor G 16 Open Well, 1982 Psi. ICP. BrokeDown At 10.4 Bpm And 2,651 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 71.2 Bpm And 3,956 Psi., Get ISIP, 1,877 Psi.. 0.70 Psi./Ft. F.G.. 31/45 Holes. Con't With SlickWater Pad, 51,650 Gals.. Stage Into X Link Pad, 71.3 Bpm At 3,511 Psi.. On Perfs., 71.3 Bpm At 3,678 Psi., 13,006 Gals.. Stage Into 2#, 71.3 Bpm At 3,682 Psi.. On Perfs., 70.9 Bpm At 3,423 Psi., 8,255 Gals.. Stage Into 3#, 71.0 Bpm At 3,166 Psi.. On Perfs., 71.0 Bpm At 3,037 Psi., 26,249 Gals.. Stage Into 3.5#, 71.0 Bpm At 3,001 Psi.. On Perfs., 71.0 Bpm At 2,948 Psi., 9,174 Gals.. Stage Into 4#, 71.0 Bpm At 2,946 Psi.. On Perfs., 71.0 Bpm At 2,918 Psi., 9,653 Gals.. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,959 Psi.. 0.71 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White - 160,200# Total Clean - 137,667 Gals.. 3,278 Bbls.. 2% KCL - 65,337 Gals.. ( 1,579 Bbls..) Prod. Water - 69,342 Gals.. ( 1,651 Bbls..) BWTR - 3,455 Bbls. Max. Rate - 71.3 Bpm Avg. Rate - 71.0 Bpm Max. Psi. - 3,905 Psi. Avg. Psi. - 3,354 Psi.
16:55	0.17	17:05	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
17:05	1.08	18:10	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RMT And RBL Dated 08/13/2012. Found And Correlated To Marker Joint At 6,131 - 6,152'. Drop Down To Depth, Set CBP At 7,164', 1,800 Psi.. Perforate Stage 5 CR-1A Zone, 6,895 - 7,151'. 42 Holes, 1,800 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
18:10	0.08	18:15	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:15	1.17	19:25	FRAC	Frac. Job	<p>Frac Stage 5. Fluid System: Hybor G 16  Open Well, 1679 Psi. ICP. BrokeDown At 9.2 Bpm And 1,835 Psi..  Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 70.7 Bpm And 4,390 Psi., Get ISIP, 1,694 Psi.. 0.68 Psi./Ft.  F.G.. 26/42 Holes.  Con't With SlickWater Pad, 48,414 Gals..  Stage Into .75# 100 Mesh, 71.3 Bpm At 3,568 Psi..  On Perfs., 71.1 Bpm At 3,591 Psi., 18,312 Gals..  Stage Into 1#, 71.2 Bpm At 3,412 Psi..  On Perfs., 71.2 Bpm At 3,279 Psi., 7,942 Gals..  Stage Into 2#, 71.2 Bpm At 3,260 Psi..  On Perfs., 71.1 Bpm At 3,057 Psi., 7,964 Gals..  Stage Into 3#, 71.1 Bpm At 2,932 Psi..  On Perfs., 71.2 Bpm At 2,835 Psi., 21,234 Gals..  Stage Into 3.5#, 71.2 Bpm At 2,806 Psi..  On Perfs., 71.1 Bpm At 2,736 Psi., 8,932 Gals..  Stage Into 4#, 71.1 Bpm At 2,728 Psi..  On Perfs., 71.1 Bpm At 2,641 Psi., 9,253 Gals..  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,855 Psi.. 0.70 Psi./Ft.  F.G.. WSI And Secured.  Total 100 Mesh - 13,700#  Total 20/40 White - 150,400#  Total Clean - 141,393 Gals.. 3,364 Bbls.. 2% KCL - 73,619 Gals.. ( 1,753 Bbls..)  Prod. Water - 65,792 Gals.. ( 1,566 Bbls..)  BWTR - 3,529 Bbls.  Max. Rate - 71.4 Bpm  Avg. Rate - 71.1 Bpm  Max. Psi. - 4,365 Psi.  Avg. Psi. - 3,330 Psi.</p>
19:25	0.17	19:35	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
19:35	1.17	20:45	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes.  Correlating To HES RMT And RBL Dated 08/13/2012.  Found And Correlated To Marker Joint At 6,131 - 6,152'.  Drop Down To Depth, Set CBP At 6,888', 1,700 Psi..  Perforate Stage 6 UteLand Butte/Castle Peak Zone, 6,596 - 6,870'. 45 Holes, 1,650 Psi..  POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
20:45	0.25	21:00	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
21:00	1.17	22:10	FRAC	Frac. Job	<p>Frac Stage 6. Fluid System: Hybor G 16  Open Well, 1540 Psi. ICP. BrokeDown At 9.9 Bpm And 1,835 Psi..  Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 70.8 Bpm And 3,904 Psi., Get ISIP, 1,572 Psi.. 0.67 Psi./Ft.  F.G.. 32/45 Holes.  Con't With SlickWater Pad, 48,387 Gals..  Stage Into .75# 100 Mesh, 71.3 Bpm At 3,118 Psi..  On Perfs., 71.1 Bpm At 3,180 Psi., 18,364 Gals..  Stage Into 1#, 71.1 Bpm At 3,089 Psi..  On Perfs., 71.1 Bpm At 2,900 Psi., 8,131 Gals..  Stage Into 2#, 71.1 Bpm At 2,864 Psi..  On Perfs., 71.0 Bpm At 2,705 Psi., 8,163 Gals..  Stage Into 3#, 71.0 Bpm At 2,682 Psi..  On Perfs., 71.1 Bpm At 2,587 Psi., 22,279 Gals..  Stage Into 3.5#, 71.1 Bpm At 2,520 Psi..  On Perfs., 71.0 Bpm At 2,460 Psi., 8,645 Gals..  Stage Into 4#, 71.1 Bpm At 2,454 Psi..  On Perfs., 71.0 Bpm At 2,417 Psi., 8,800 Gals..  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,855 Psi.. 0.70 Psi./Ft.  F.G.. WSI And Secured.  Total 100 Mesh - 13,600#  Total 20/40 White - 150,800#  Total Clean - 141,377 Gals.. 3,366 Bbls.. 2% KCL - 74,382 Gals.. ( 1,771 Bbls..)  Prod. Water - 65,010 Gals.. ( 1,548 Bbls..)  BWTR - 3,527 Bbls.  Max. Rate - 71.4 Bpm  Avg. Rate - 71.1 Bpm  Max. Psi. - 3,471 Psi.  Avg. Psi. - 2,916 Psi.</p>
22:10	0.16	22:20	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
22:20	1.17	23:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RMT And RBL Dated 08/13/2012. Found And Correlated To Marker Joint At 6,131 - 6,152'. Drop Down To Depth, Set CBP At 6,588', 1,600 Psi.. Perforate Stage 7 Castle Peak/Black Shale Zone, 6,303 - 6,568'. 45 Holes, 1,550 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
23:30	0.17	23:40	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
23:40	1.08	00:45	FRAC	Frac. Job	Frac Stage 7. Fluid System: Hybor G 16 Open Well, 1458 Psi. ICP. BrokeDown At 10.2 Bpm And 2,233 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 71.1 Bpm And 3,298 Psi., Get ISIP, 1,712 Psi.. 0.70 Psi./Ft. F.G.. 43/45 Holes. Con't With SlickWater Pad, 43,479 Gals.. Stage Into .75# 100 Mesh, 71.4 Bpm At 2,936 Psi.. On Perfs., 71.1 Bpm At 2,990 Psi., 17,923 Gals.. Stage Into 1#, 71.0 Bpm At 3,011 Psi.. On Perfs., 71.1 Bpm At 2,967 Psi., 8,049 Gals.. Stage Into 2#, 71.1 Bpm At 2,953 Psi.. On Perfs., 70.8 Bpm At 2,728 Psi., 7,378 Gals.. Stage Into 3#, 70.8 Bpm At 2,704 Psi.. On Perfs., 70.9 Bpm At 2,577 Psi., 19,933 Gals.. Stage Into 3.5#, 70.7 Bpm At 2,542 Psi.. On Perfs., 70.8 Bpm At 2,483 Psi., 8,399 Gals.. Stage Into 4#, 70.4 Bpm At 2,477 Psi.. On Perfs., 70.8 Bpm At 2,400 Psi., 9,827 Gals.. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,875 Psi.. 0.73 Psi./Ft. F.G.. WSI And Secured. Total 100 Mesh - 13,400# Total 20/40 White - 137,620# Total Clean - 135,352 Gals.. 3,223 Bbls.. 2% KCL - 71,509 Gals.. ( 1,703 Bbls..) Prod. Water - 61,807 Gals.. ( 1,472 Bbls..) BWTR - 3,372 Bbls. Max. Rate - 71.5 Bpm Avg. Rate - 71.0 Bpm Max. Psi. - 3,095 Psi. Avg. Psi. - 2,812 Psi.
00:45	0.50	01:15	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up CBP Plug Assembly. Equalize To Well Pressure.
01:15	1.00	02:15	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RMT And RBL Dated 08/13/2012. Found And Correlated To Marker Joint At 6,131 - 6,152'. Drop Down To Depth, Set CBP At 6,250', 1,700 Psi.. Bleed Pressure Off Well. POOH. LayDown Tools, WSI And Secured.
02:15	2.25	04:30	SRIG	Rig Up/Down	HES And SLB RigDown Equipment, MOL.
04:30	1.50	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

**14-31D-36 BTR 9/4/2012 06:00 - 9/5/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	RMOV	Rig Move	RDSU. SERVICE RIG. ROAD RIG. CHANGE 2 TIRES. FINISH ROADING TO LOCATION. SDFN

**14-31D-36 BTR 9/5/2012 06:00 - 9/6/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	SRIG	Rig Up/Down	MIRU BASIC 1584.
08:00	3.00	11:00	BOPI	Install BOP's	N/D FRAC VALVE. N/U BOP. R/U FLOOR & EQUIPMENT. SPOT IN CAT WALK & PIPE RACKS. LOAD 275 JTS 2-7/8 TBG ON RACKS & TALLY TBG.



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
11:00	5.00	16:00	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS, 1 JT 2-7/8 TBG & XN- NIPPLE. RIH W/ BHA P/U NEW 2-7/8 TBG TO 4500' & KILL PLUG STARTED LEAKING BAD. R/U DRILLING RUBBER. CFP- 500 ON 28/64 CHOKE. CONTINUE IN HOLE P/U TBG, TAG KILL PLUG @ 6250'.
16:00	2.00	18:00	DOPG	Drill Out Plugs	R/U POWER SWIVEL & CIRC EQUIPMENT. BREAK CIRC. D/O KILL PLUG @ 6250'. CFP- 750 ON 28/64 CHOKE.  SWIVEL IN HOLE, TAG SAND @ 6568'. C/O SAND & D/O CBP @ 6588'. CFP- 750. CIRC WELL CLEAN. R/D SWIVEL.
18:00	1.00	19:00	PULT	Pull Tubing	PULL ABOVE TOP PERF @ 6303'. SWIFN.
19:00	11.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN. CREW TRAVEL.

**14-31D-36 BTR 9/6/2012 06:00 - 9/7/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	0.50	07:30	RUTB	Run Tubing	SICP- 1020. SITP- 0. RIH F/ TOP OF PERFS, TAG SAND @ 6878'.
07:30	7.00	14:30	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. C/O SAND & D/O CBP @ 6888'. CFP- 700.  SWIVEL IN HOLE, TAG SAND @ 7150'. C/O SAND & D/O CBP @ 7164'. CFP- 750.  SWIVEL IN HOLE, TAG SAND @ 7388". C/O SAND & D/O CBP @ 7406". CFP- 900.  SWIVEL IN HOLE, TAG SAND @ 7674'. C/O SAND & D/O CBP @ 7680'. CFP- 950.  SWIVEL IN HOLE, TAG SAND @ 7953'. C/O SAND & D/O CBP @ 7973'. CFP- 950.  SWIVEL IN HOLE, TAG SAND @ 8278'. C/O SAND TO F/C @ 8451', D/O F/C & C/O CMT TO 8500'. PBTD. CIRC WELL CLEAN FOR 1 HR. R/D SWIVEL.
14:30	1.00	15:30	PULT	Pull Tubing	POOH L/D TBG TO 6297' & LAND TBG. 197 JTS TOTAL IN HOLE.
15:30	1.50	17:00	IWHD	Install Wellhead	N/D BOP. N/U WELLHEAD. DROP BALL & PUMPED BIT OFF. R/U TO SALES LINE. TURN OVER TO PRODUCTION.
17:00	13.00	06:00	CTRL	Crew Travel	CREW TRAVEL.

**14-31D-36 BTR 9/7/2012 06:00 - 9/8/2012 06:00**

API/UWI 43013509730000	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 2,013.0	Primary Job Type Drilling & Completion
---------------------------	------------------------	--------------------	--------------------------------	--------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	8.00	15:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. MOVE RIG & EQUIPMENT OFF LOCATION. SDFN.
15:00	15.00	06:00	CTRL	Crew Travel	CREW TRAVEL.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. 1420H626405	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BILL BARRETT CORPORATION Contact: MEGAN FINNEGAN E-Mail: mfinnegan@billbarrettcorp.com		7. Unit or CA Agreement Name and No.	
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. 14-31D-36 BTR	
3a. Phone No. (include area code) Ph: 303-299-9949		9. API Well No. 43-013-50973	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW 298FSL 1632FWL At top prod interval reported below SESW 895FSL 2058FWL At total depth SESW 778FSL 2048FWL <b>BHL by HSM</b>		10. Field and Pool, or Exploratory CEDAR RIM	
14. Date Spudded 05/10/2012		11. Sec., T., R., M., or Block and Survey or Area Sec 31 T3S R6W Mer UBM	
15. Date T.D. Reached 08/05/2012		12. County or Parish DUCHE SNE	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/06/2012		13. State UT	
17. Elevations (DF, KB, RT, GL)* 6481 GL			

18. Total Depth: MD 8545 TVD 8455	19. Plug Back T.D.: MD 8454 TVD 8353	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, TRIPLE COMBO, MUD		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	65.0	0	103	103			0	
12.250	9.625 J-55	36.0	0	2013	2013	535	223	0	
8.750	5.500 P-110	17.0	0	8545	8545	1600	534	3310	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6304							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	6303	7151	6303 TO 7151		132	OPEN
B) WASATCH	7170	8254	7170 TO 8254		180	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6303 TO 7151	GREEN RIVER: SEE TREATMENT STAGES 5-7
7170 TO 8254	WASATCH: SEE TREATMENT STAGES 1-4

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/06/2012	09/09/2012	24	→	525.0	588.0	772.0	52.0		FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22/64	950	1650.0	→	525	588	772	1120	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #156229 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

RECEIVED

OCT 24 2012

Div. of Oil, Gas & Mining



28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)  
**SOLD**

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	2343
				MAHOGANY	3074
				DOUGLAS CREEK	5444
				BLACK SHALE	6299
				CASTLE PEAK	6416
				UTELAND BUTTE	6770
				WASATCH	7159
				TD	8545

32. Additional remarks (include plugging procedure):

Conductor was cemented with gout. TOC was calculated by CBL. First gas sales was on 9/6/2012. First oil sales was on 9/8/2012. Treatment Data is attached.

33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #156229 Verified by the BLM Well Information System.  
 For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) MEGAN FINNEGAN

Title PERMIT ANALYST

Signature

*(Electronic Submission)*  
*John Webb*

Date 10/24/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***



**14-31D-36 BTR Completion Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>			
<b>AMOUNT AND TYPE OF MATERIAL</b>			
<b><u>Stage</u></b>	<b><u>BBS Slurry</u></b>	<b><u>lbs 100 Mesh Sand</u></b>	<b><u>lbs 20/40 White Sand</u></b>
1	3,134		140,500
2	3,461		160,400
3	3,453		160,100
4	3,450		160,200
5	6,541	13,700	150,400
6	3,541	13,600	150,800
7	3,384	13,400	137,620

\*Depth intervals for frac information same as perforation record intervals.





**Bill Barrett Corporation**

## **Bill Barrett Corp. (II)**

**Duchesne Co., UT (NAD27)**

**Sec.31-T3S-R6W**

**#14-31D-36 BTR**

**Wellbore #1**

**Survey: OH**

## **Standard Survey Report**

**26 September, 2012**







Bill Barrett Corp. (II)  
Project: Duchesne Co., UT (NAD27)  
Site: Sec.31-T3S-R6W  
Well: #14-31D-36 BTR  
Wellbore: Wellbore #1  
Design: Wellbore #1  
Latitude: 40° 10' 12.04 N  
Longitude: 110° 36' 30.07 W  
Ground Level: 6480.01  
WELL @ 6504.01ft



#### REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well #14-31D-36 BTR, True North  
Vertical (TVD) Reference: WELL @ 6504.01ft  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: WELL @ 6504.01ft  
Calculation Method: Minimum Curvature

#### PROJECT DETAILS: Duchesne Co., UT (NAD27)

Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: Utah Central 4302

System Datum: Mean Sea Level

#### WELL DETAILS: #14-31D-36 BTR

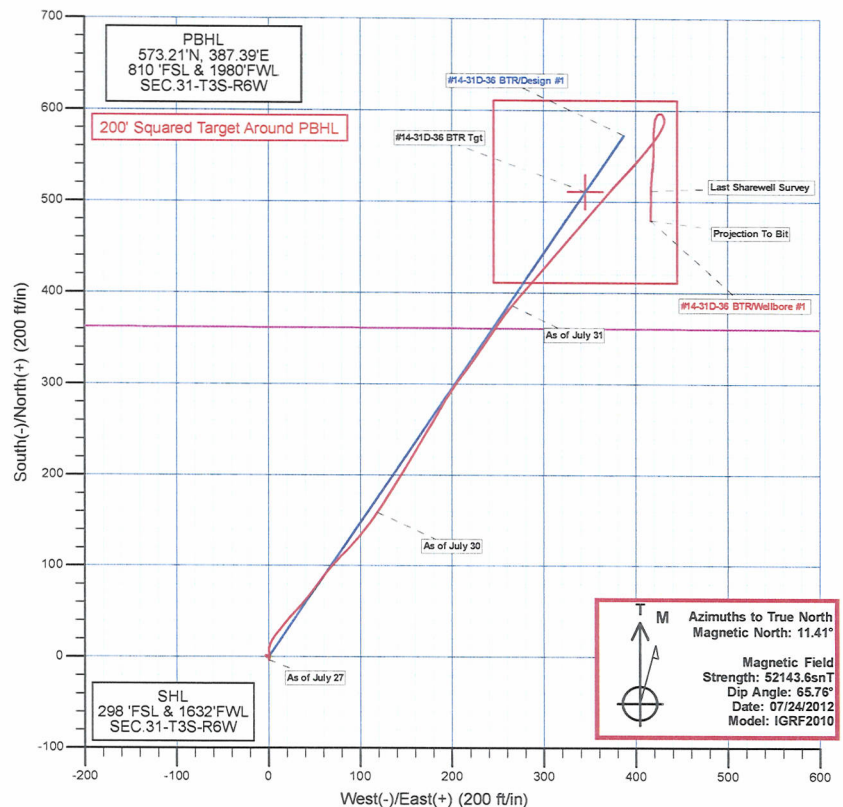
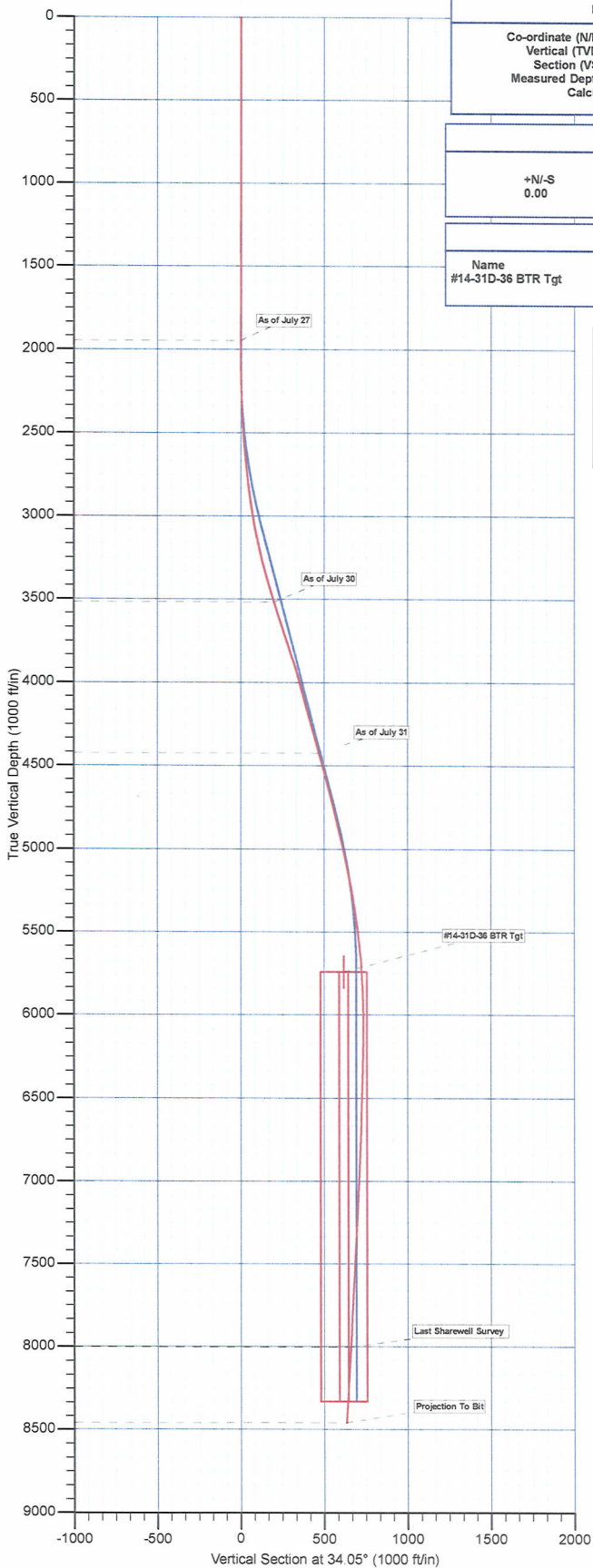
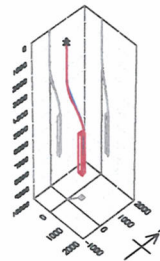
+N/-S	+E/-W	Northing	Ground Level: Easting	Latitude	Longitude	Slot
0.00	0.00	670214.03	2249167.37	40° 10' 12.04 N	110° 36' 30.07 W	

#### WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
#14-31D-36 BTR Tgt	5739.01	511.07	345.39	40° 10' 17.09 N	110° 36' 25.62 W	Rectangle (Sides: L200.00 W200.00)

#### ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
1945.95	1946.00	0.700	167.60	-2.91	0.33	-2.23	13.40	As of July 27
3517.06	3537.00	17.000	33.70	159.40	118.47	198.40	220.06	As of July 30
4425.41	4485.00	14.800	38.90	386.32	265.47	468.72	490.66	As of July 31
8000.55	8090.00	3.300	181.30	512.09	416.81	657.68	852.96	Last Sharewell Survey
8459.39	8550.00	4.800	181.30	479.61	416.08	630.35	885.45	Projection To Bit



Design: Wellbore #1 (#14-31D-36 BTR/Wellbore #1)

Created By: Rolando Garza Date: 15:52, September 26 2012



**Company:** Bill Barrett Corp. (II)  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.31-T3S-R6W  
**Well:** #14-31D-36 BTR  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well #14-31D-36 BTR  
**TVD Reference:** WELL @ 6504.01ft  
**MD Reference:** WELL @ 6504.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

<b>Project</b>	Duchesne Co., UT (NAD27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

Site	Sec.31-T3S-R6W				
Site Position:		Northing:	670,316.44 usft	Latitude:	40° 10' 12.79 N
From:	Lat/Long	Easting:	2,251,824.33 usft	Longitude:	110° 35' 55.83 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	0.58 °

Well	#14-31D-36 BTR					
Well Position	+N/-S	0.00 ft	Northing:	670,214.03 usft	Latitude:	40° 10' 12.04 N
	+E/-W	0.00 ft	Easting:	2,249,167.37 usft	Longitude:	110° 36' 30.07 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,480.01 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	07/24/12	11.41	65.76	52,144

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	34.05	

<b>Survey Program</b>	<b>Date</b> 09/26/12			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
83.00	8,550.00 OH (Wellbore #1)		MWD	MWD - Standard

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.00	0.300	303.10	83.00	0.12	-0.18	0.00	0.36	0.36	0.00
182.00	0.400	336.50	182.00	0.58	-0.54	0.18	0.23	0.10	33.74
275.00	0.300	301.80	275.00	1.00	-0.87	0.34	0.25	-0.11	-37.31
368.00	0.300	269.50	368.00	1.13	-1.32	0.19	0.18	0.00	-34.73
461.00	0.600	262.90	460.99	1.07	-2.05	-0.26	0.33	0.32	-7.10
552.00	0.300	284.00	551.99	1.07	-2.75	-0.66	0.37	-0.33	23.19
643.00	0.300	5.00	642.99	1.36	-2.96	-0.53	0.43	0.00	89.01
735.00	0.100	312.40	734.99	1.65	-3.00	-0.31	0.27	-0.22	-57.17
826.00	0.100	270.80	825.99	1.71	-3.14	-0.34	0.08	0.00	-45.71



**Company:** Bill Barrett Corp. (II)  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.31-T3S-R6W  
**Well:** #14-31D-36 BTR  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well #14-31D-36 BTR  
**TVD Reference:** WELL @ 6504.01ft  
**MD Reference:** WELL @ 6504.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
951.00	0.300	150.90	950.99	1.43	-3.09	-0.55	0.29	0.16	-95.92
1,046.00	0.900	174.10	1,045.98	0.47	-2.89	-1.23	0.67	0.63	24.42
1,141.00	0.100	102.30	1,140.98	-0.29	-2.74	-1.78	0.92	-0.84	-75.58
1,235.00	0.400	72.10	1,234.98	-0.21	-2.34	-1.49	0.34	0.32	-32.13
1,330.00	0.400	35.20	1,329.97	0.16	-1.84	-0.89	0.27	0.00	-38.84
1,425.00	0.300	340.30	1,424.97	0.67	-1.73	-0.42	0.35	-0.11	-57.79
1,519.00	0.400	84.10	1,518.97	0.93	-1.49	-0.06	0.59	0.11	110.43
1,614.00	0.400	132.90	1,613.97	0.74	-0.91	0.10	0.35	0.00	51.37
1,709.00	0.600	158.80	1,708.97	0.05	-0.49	-0.23	0.31	0.21	27.26
1,802.00	0.900	155.10	1,801.96	-1.07	-0.01	-0.89	0.33	0.32	-3.98
1,897.00	0.700	182.80	1,896.95	-2.32	0.28	-1.77	0.45	-0.21	29.16
1,946.00	0.700	167.60	1,945.95	-2.91	0.33	-2.23	0.38	0.00	-31.02
<b>As of July 27</b>									
2,020.00	0.500	197.00	2,019.94	-3.66	0.33	-2.85	0.49	-0.27	39.73
2,115.00	1.900	1.50	2,114.93	-2.48	0.25	-1.92	2.51	1.47	173.16
2,210.00	2.500	4.40	2,209.86	1.16	0.45	1.21	0.64	0.63	3.05
2,304.00	2.700	351.40	2,303.76	5.39	0.28	4.62	0.66	0.21	-13.83
2,399.00	2.800	9.40	2,398.65	9.89	0.32	8.37	0.91	0.11	18.95
2,494.00	3.900	22.70	2,493.49	15.16	1.95	13.65	1.41	1.16	14.00
2,589.00	5.400	36.40	2,588.18	21.74	5.85	21.29	1.95	1.58	14.42
2,683.00	6.800	37.90	2,681.64	29.69	11.89	31.26	1.50	1.49	1.60
2,778.00	5.900	38.10	2,776.06	37.97	18.36	41.74	0.95	-0.95	0.21
2,873.00	7.400	43.90	2,870.42	46.22	25.61	52.64	1.73	1.58	6.11
2,968.00	9.300	41.80	2,964.41	56.35	34.97	66.27	2.03	2.00	-2.21
3,063.00	10.500	37.10	3,057.99	68.98	45.31	82.53	1.52	1.26	-4.95
3,158.00	11.900	34.90	3,151.18	83.92	56.14	100.96	1.54	1.47	-2.32
3,253.00	12.900	42.30	3,243.97	99.80	68.88	121.25	1.97	1.05	7.79
3,348.00	15.400	43.90	3,336.08	116.73	84.77	144.18	2.66	2.63	1.68
3,442.00	17.300	38.10	3,426.28	136.73	102.05	170.42	2.66	2.02	-6.17
3,537.00	17.000	33.70	3,517.06	159.40	118.47	198.40	1.40	-0.32	-4.63
<b>As of July 30</b>									
3,632.00	17.800	31.10	3,607.72	183.39	133.68	226.79	1.17	0.84	-2.74
3,727.00	18.500	31.30	3,697.99	208.70	149.01	256.35	0.74	0.74	0.21
3,821.00	18.400	31.00	3,787.16	234.16	164.40	286.06	0.15	-0.11	-0.32
3,916.00	17.400	30.00	3,877.56	259.31	179.22	315.20	1.10	-1.05	-1.05
4,011.00	15.600	31.30	3,968.64	282.53	192.96	342.13	1.93	-1.89	1.37
4,106.00	15.400	35.70	4,060.19	303.69	206.96	367.50	1.26	-0.21	4.63
4,201.00	15.600	35.10	4,151.73	324.38	221.66	392.88	0.27	0.21	-0.63
4,295.00	15.700	34.00	4,242.25	345.27	236.04	418.23	0.33	0.11	-1.17
4,390.00	15.600	34.90	4,333.73	366.40	250.54	443.86	0.28	-0.11	0.95
4,485.00	14.800	38.90	4,425.41	386.32	265.47	468.72	1.39	-0.84	4.21
<b>As of July 31</b>									
4,580.00	15.000	41.50	4,517.21	404.97	281.23	493.01	0.73	0.21	2.74
4,675.00	14.600	40.90	4,609.06	423.23	297.22	517.08	0.45	-0.42	-0.63



**Company:** Bill Barrett Corp. (II)  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.31-T3S-R6W  
**Well:** #14-31D-36 BTR  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well #14-31D-36 BTR  
**TVD Reference:** WELL @ 6504.01ft  
**MD Reference:** WELL @ 6504.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,769.00	14.200	39.50	4,700.11	441.08	312.31	540.32	0.56	-0.43	-1.49
4,864.00	14.200	40.50	4,792.21	458.93	327.29	563.50	0.26	0.00	1.05
4,959.00	13.600	40.40	4,884.42	476.30	342.09	586.18	0.63	-0.63	-0.11
5,054.00	13.200	40.70	4,976.84	493.03	356.41	608.06	0.43	-0.42	0.32
5,148.00	12.500	39.80	5,068.48	508.98	369.92	628.84	0.77	-0.74	-0.96
5,244.00	11.100	42.30	5,162.45	523.80	382.79	648.32	1.55	-1.46	2.60
5,338.00	9.400	42.40	5,254.95	536.16	394.05	664.87	1.81	-1.81	0.11
5,433.00	8.300	41.20	5,348.82	547.05	403.80	679.35	1.17	-1.16	-1.26
5,528.00	8.200	39.50	5,442.83	557.43	412.63	692.90	0.28	-0.11	-1.79
5,622.00	6.900	35.70	5,536.02	567.19	420.19	705.22	1.48	-1.38	-4.04
5,718.00	5.100	32.80	5,631.49	575.46	425.86	715.25	1.90	-1.88	-3.02
5,813.00	3.700	23.10	5,726.21	581.83	429.35	722.48	1.66	-1.47	-10.21
5,907.00	2.600	11.90	5,820.06	586.71	430.98	727.43	1.34	-1.17	-11.91
6,002.00	2.300	356.00	5,914.98	590.72	431.30	730.93	0.78	-0.32	-16.74
6,097.00	2.300	335.30	6,009.90	594.35	430.37	733.42	0.87	0.00	-21.79
6,192.00	1.700	296.40	6,104.85	596.71	428.31	734.22	1.52	-0.63	-40.95
6,287.00	1.800	270.70	6,199.81	597.36	425.55	733.21	0.83	0.11	-27.05
6,382.00	2.000	201.00	6,294.76	595.83	423.47	730.78	2.29	0.21	-73.37
6,477.00	1.800	208.00	6,389.71	592.96	422.17	727.68	0.32	-0.21	7.37
6,571.00	1.800	191.60	6,483.67	590.21	421.18	724.85	0.55	0.00	-17.45
6,666.00	1.500	185.20	6,578.63	587.51	420.77	722.38	0.37	-0.32	-6.74
6,762.00	1.800	187.20	6,674.59	584.76	420.47	719.93	0.32	0.31	2.08
6,856.00	2.300	186.60	6,768.53	581.43	420.07	716.94	0.53	0.53	-0.64
6,951.00	2.900	182.70	6,863.43	577.13	419.73	713.20	0.66	0.63	-4.11
7,046.00	3.500	178.00	6,958.28	571.83	419.72	708.80	0.69	0.63	-4.95
7,141.00	3.500	183.50	7,053.10	566.04	419.65	703.96	0.35	0.00	5.79
7,236.00	2.900	178.60	7,147.95	560.74	419.53	699.50	0.69	-0.63	-5.16
7,331.00	3.700	178.40	7,242.80	555.28	419.67	695.06	0.84	0.84	-0.21
7,426.00	3.400	183.70	7,337.61	549.40	419.57	690.13	0.47	-0.32	5.58
7,520.00	3.800	183.90	7,431.43	543.51	419.18	685.04	0.43	0.43	0.21
7,615.00	3.100	186.10	7,526.26	537.82	418.70	680.04	0.75	-0.74	2.32
7,710.00	3.000	191.30	7,621.12	532.83	417.94	675.48	0.31	-0.11	5.47
7,805.00	3.200	180.60	7,715.98	527.74	417.42	670.98	0.64	0.21	-11.26
7,900.00	2.900	184.70	7,810.85	522.69	417.20	666.67	0.39	-0.32	4.32
7,995.00	3.300	181.30	7,905.71	517.56	416.94	662.28	0.46	0.42	-3.58
8,090.00	3.300	181.30	8,000.55	512.09	416.81	657.68	0.00	0.00	0.00
<b>Last Sharewell Survey</b>									
8,550.00	4.800	181.30	8,459.39	479.61	416.08	630.35	0.33	0.33	0.00
<b>Projection To Bit</b>									



**Company:** Bill Barrett Corp. (II)  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.31-T3S-R6W  
**Well:** #14-31D-36 BTR  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well #14-31D-36 BTR  
**TVD Reference:** WELL @ 6504.01ft  
**MD Reference:** WELL @ 6504.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

**Survey Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,946.00	1,945.95	-2.91	0.33	As of July 27
3,537.00	3,517.06	159.40	118.47	As of July 30
4,485.00	4,425.41	386.32	265.47	As of July 31
8,090.00	8,000.55	512.09	416.81	Last Sharewell Survey
8,550.00	8,459.39	479.61	416.08	Projection To Bit

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



Effective Date: 11/1/2016

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

**COMMENTS:**



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA





October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

**New Operator Contact information:**

RIG II, LLC  
1582 West 2600 South  
Woods Cross, Utah 84087-0298  
Telephone: (801) 683-4245  
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley  
Permit Analyst

**RECEIVED**  
OCT 21 2016  
DIV. OF OIL, GAS & MINING



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
RIG II, LLC N4055

3. ADDRESS OF OPERATOR:  
1582 West 2600 South CITY Wood Cross STATE UT ZIP 84087 PHONE NUMBER: (801) 683-4245

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit In Duplicate) Approximate date work will start: 11/1/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC  
1582 West 2600 South  
Woods Cross, Utah 84087-0298  
801-683-4245  
(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165  
Duane Zavala NAME (PLEASE PRINT)  
Duane Zavala SIGNATURE  
Senior Vice President -  
EH&S, Government and Regulatory Affairs

RIG II, LLC  
Jesse McSwain NAME (PLEASE PRINT)  
Jesse McSwain SIGNATURE  
Manager

NAME (PLEASE PRINT) Jesse McSwain TITLE Manager  
SIGNATURE Jesse McSwain DATE 10/20/16

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APPROVED

NOV 07 2016



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

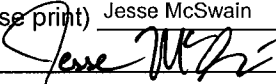
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	(See attached list)
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Bill Barrett Corporation
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Bill Barrett Corporation

Check one	Desired Action:
	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-UDOGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager  
Signature  Date 10/20/16  
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

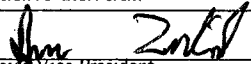
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

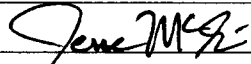
Well Name and Number <b>6-32-36 BTR SWD</b>	API Number <b>4301350921</b>
Location of Well  Footage : <b>1628 FNL 1553 FWL</b> County : <b>DUCHENSE</b>  QQ, Section, Township, Range: <b>SENW    32    3S    6W</b> State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

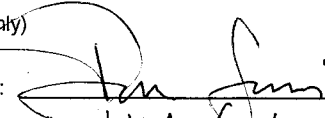
**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadii</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&amp;S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

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Transfer approved by:   
Title: UIC Geologist

Approval Date: 11/3/16

Comments:



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

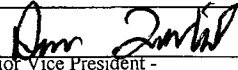
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

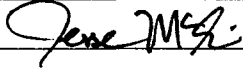
CURRENT OPERATOR

Company: BILL BARRETT CORPORATION  
Address: 1099 18th Street Ste 2300  
city DENVER state CO zip 80202  
Phone: (303) 293-9100  
Comments:


Name: Duane Zavadii  
Signature:   
Senior Vice President -  
Title: EH&S, Government and Regulatory Affairs  
Date: 10/20/16

NEW OPERATOR

Company: RIG II, LLC  
Address: 1582 West 2600 South  
city Wood Cross state UT zip 84087  
Phone: (801) 683-4245  
Comments:

Name: Jesse McSwain  
Signature:   
Title: Manager  
Date: 10/20/16

(This space for State use only)

Transfer approved by:   
Title: VIC

Approval Date: 11/3/16

Comments:



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

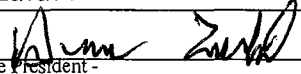
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

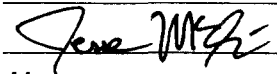
Well Name and Number <b>SWD 9-36 BTR</b>	API Number <b>4301350646</b>
Location of Well  Footage : <b>0539 FSL 0704 FEL</b>  County : <b>DUCHESNE</b>  QQ, Section, Township, Range: <b>SESE 9 3S 6W</b>  State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u> Address: <u>1099 18th Street Ste 2300</u> <u>city DENVER state CO zip 80202</u> Phone: <u>(303) 293-9100</u> Comments:	Name: <u>Duane Zavadi</u> Signature: <u></u> Title: <u>Senior Vice President - EH&amp;S, Government and Regulatory Affairs</u> Date: <u>10/20/16</u>
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**NEW OPERATOR**

Company: <u>RIG II, LLC</u> Address: <u>1582 West 2600 South</u> <u>city Wood Cross state UT zip 84087</u> Phone: <u>(801) 683-4245</u> Comments:	Name: <u>Jesse McSwain</u> Signature: <u></u> Title: <u>Manager</u> Date: <u>10/20/16</u>
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(This space for State use only)

Transfer approved by: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Title: \_\_\_\_\_

Comments:

*This well was approved by USEPA.  
EPA approval will be required.*